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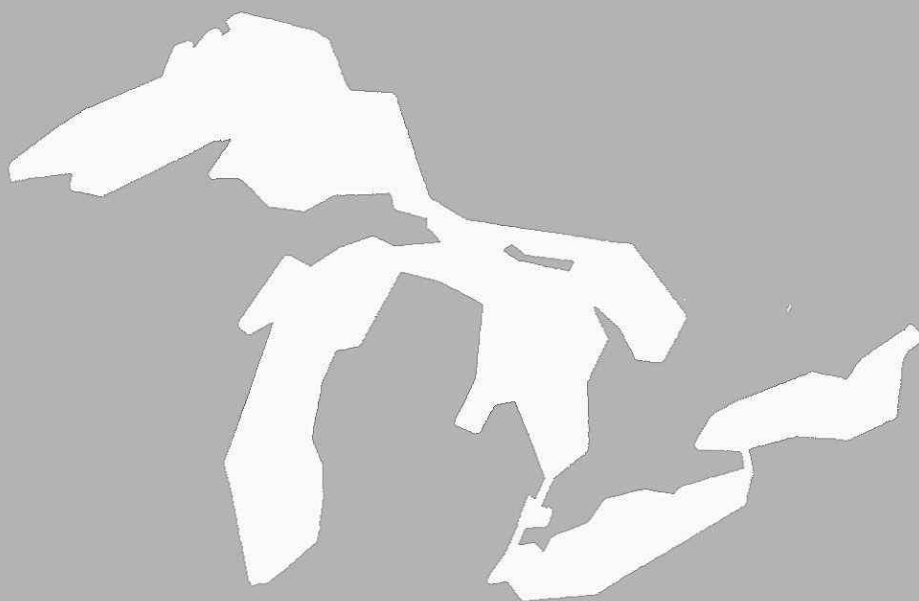


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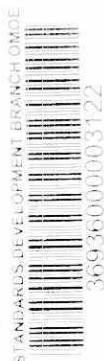
Research Report No. 1 Land Application of Sewage Sludge

Land Application of Sewage Sludge Research Report No. 1



**Research Program for the Abatement of Municipal Pollution
under Provisions of the Canada-Ontario Agreement
on Great Lakes Water Quality**

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RESEARCH REPORTS

These RESEARCH REPORTS describe the results of investigations funded under the Research Program for the Abatement of Municipal Pollution within the provisions of the Canada-Ontario Agreement on Great Lakes Water Quality. They provide a central source of information on the studies carried out in this program through in-house projects by both Environment Canada and the Ontario Ministry of the Environment, and contracts with municipalities, research institutions and industrial organizations.

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LAND APPLICATION OF SEWAGE SLUDGE

by

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RESEARCH PROGRAM FOR THE ABATEMENT
OF MUNICIPAL POLLUTION WITHIN THE
PROVISIONS OF THE CANADA-ONTARIO
AGREEMENT ON GREAT LAKES WATER QUALITY

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LAND APPLICATION OF SEWAGE SLUDGE

ABSTRACT

This review was undertaken largely to determine where knowledge is lacking for ecologically safe and agriculturally productive application of sewage sludges to farm lands.

From this review it was concluded that sludge is quite variable in solids and nutrient content from one sewage plant to another and from day to day or week to week at any one plant. This is foreseen as a possible major problem in establishing safe rates of application.

Nitrogen is likely to affect safe rates of sludge application and rates should be restricted to those needed for crop production, at least until more information is available. Phosphorus pollution of the groundwater is not expected to be a major problem controlling application rates except on organic and sandy soils. Phosphorus could cause problems in surface drainage due to erosion and runoff.

The metals copper, zinc, cadmium, nickel, chromium and lead are high in some sludges and may be cause for concern. Other metals may also be of concern in particular sludges. Toxicities of copper and zinc to plants have caused problems in Britain and Europe. Cadmium is of concern for human health reasons and since this review was written it has also been reported to reduce plant growth at tissue levels as low as two parts per million. Soils absorb large quantities of most metals in forms unavailable to plants, provided there is a plentiful oxygen supply and provided the soil pH is maintained at a high level. It is suggested, however, that the best long-term method of controlling heavy metals may be to prevent them from reaching the sewage plant.

Studies are reported on the survival of human and animal pathogens and viruses in sludge. The populations appear to be reduced but not eliminated by anaerobic digestion. They are essentially eliminated by heat drying. Human and animal parasites, particularly ascaris, survive sludge digestion and may persist in and on the soil for considerable periods, survival time increasing with high clay and organic matter content.

No information was found concerning the land application of sludges resulting from treating sewage with chemicals for the removal of nutrients. Although major problems are not expected with these sludges resulting from the use of lime, aluminium sulphate and ferric chloride, research is needed.

There was little information found on times and methods of sludge applications which will not cause surface water contamination by erosion and runoff.

UTILISATION DES BOUES DES EAUX D'EGOUT SUR LES SOLS

RESUME

La présente étude a été entreprise surtout afin de déterminer les connaissances à acquérir pour une utilisation sûre du point de vue écologique et productive du point de vue agricole des boues des eaux d'égout sur les terres de culture.

Il ressort de l'étude que la teneur des boues en solides et en éléments fertilisants varie beaucoup d'une usine d'épuration à une autre, ainsi que d'un jour ou d'une semaine à l'autre, dans une même station. On prévoit que cette situation posera éventuellement un problème majeur quand il s'agira de fixer les quantités sûres d'application.

L'azote changera probablement ces quantités, qui devraient être restreintes à la production de récoltes, du moins jusqu'à ce que l'on dispose de plus amples informations. La pollution de la nappe phréatique par le phosphore ne posera probablement pas de problème pour de qui est des quantités d'application, sauf sur les sols organiques et sablonneux. Le phosphore pourrait toutefois causer des difficultés pour ce qui est du drainage en surface causé par l'érosion et l'écoulement.

Les métaux comme le cuivre, le zinc, le cadmium, le nickel, le chrome et le plomb se trouvent en grandes quantités dans certaines boues, ce qui peut causer des inquiétudes. La présence d'autres métaux dans certaines boues peut aussi être inquiétante. La toxicité du cuivre et du zinc pour les plantes a créé des problèmes en Angleterre et sur le continent européen. Le cadmium peut également affecter la santé de l'homme; de plus depuis la rédaction de cette étude, on a découvert qu'il diminue la croissance des plantes, même à des niveaux de concentration dans les tissus de 2 parties par million. Les sols absorbent presque tous les métaux en grandes quantités, sous des formes auxquelles la végétation n'est pas exposée, à condition qu'il y ait beaucoup d'oxygène et que le meilleur moyen à long terme d'éliminer les métaux lourds serait de les empêcher d'atteindre les stations d'épuration.

Des études ont aussi été faites sur la survie des agents patho-

gènes et des virus humains et animaux dans les boues. Il semble qu'ils diminuent, sans pour autant disparaître, sous l'effet de la digestion anaérobie. Ils sont pratiquement éliminés par un séchage à la chaleur. Les parasites humains et animaux, et surtout l'ascaris, survivent à la digestion des boues et peuvent demeurer sur le sol ou dans le sol pendant très longtemps, leur durée augmentant avec la teneur en argile et en matières organiques.

Aucun renseignement n'a été recueilli concernant l'utilisation sur les sols de boues provenant du traitement des eaux d'égout par les produits chimiques destinés à éliminer les éléments fertilisants. Bien qu'on ne s'attende pas à des problèmes graves à cause de l'utilisation de chaux, de sulfate d'aluminium et de chlorure ferrique, il faudra entreprendre des recherches sur cette question.

On n'a trouvé que très peu de données sur les périodes et les méthodes d'application des boues qui ne causeraient pas de contamination des eaux de surface par érosion et écoulement.

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INTRODUCTION

For more than two thousand years it has been recognized that organic materials could be used to increase plant growth, and human and animal wastes have been used for that purpose. Municipal sewage has been applied to agricultural land at least since 1559 (Deturk 87) and there was considerable literature on its use in 1894 (Rafter and Baker 14).

In the 1940's sewage sludge was of interest to agriculture as a source of scarce nutrients. Considerable research, much of it of excellent quality, was done on land application between 1940 and 1955. A number of useful reviews have been written covering this and earlier work (Pearse et al 280, Subcommittee on sludge disposal 377, Law and Kerr 251, Rudolf et al 479, 480, Anderson 71). There was little emphasis on water pollution with nutrients or heavy metals at that time however.

Since about 1967 there is once again a surge of interest in the use of sewage sludge in agriculture although other sources of plant nutrients are now plentiful and much more convenient to use. At this time the interest in land disposal of sewage sludge is based chiefly on a search for the least expensive means of waste disposal which will not harm the environment. If this leads to improved crop production it will be largely an unexpected bonus.

This review was undertaken largely to determine where knowledge is lacking for ecologically safe and agriculturally productive application of sludges, particularly those sludges resulting from the chemical treatment of sewage for nutrient removal. Because of the cost of hauling, maximum acceptable rates of application are of particular interest.

Many authors have presented values for the concentration of various constituents in different types of sewage sludge. A selection of references providing information on various fractions and elements is presented in Table 1.

Reference numbers in this review refer to the bibliography, Part 11, Section A.

COMPOSITION OF SEWAGE SLUDGE

It will be difficult to set guidelines for safe rates of sludge application without knowing the composition of the sludge to be applied. Brown (32) pointed out that the composition of sewage sludge depends on the living standards and dietary habits of the contributing population, the kind of industrial wastes discharged into the sewers, and the type of sewerage system. The sewerage system could be taken to include the sewers themselves, and in the past storm sewers have frequently been connected to the sanitary systems leading no doubt to rather sporadic loadings with sand and silt which would affect the chemical nature of the sludge. One report (Anonymous 62) stated that "Organic matter applied to the land as sewage sludge is obtained at the cost of adding from one to one-and-a-half times its weight in inert silt." It is not uncommon to have sludges with and "ash" content of 50% (Clark and Gaddy 11).

Berrow and Webber (208) suggested that zinc in sludge may come from galvanized eave troughing, presumably through storm drains. No doubt this could also lead to sporadic loading with zinc. One would hope that storm drains are no longer being connected to sanitary sewers in most cities.

Many authors have shown that the treatment process affects the chemical composition of the sludge. In general, sludge from activated sludge secondary plants without sludge digestion has a higher concentration of nitrogen and phosphorus on a dry weight basis than sludge from primary plants. Digested sludge (Anderson 72, Pearse 280, Calvert et al 22) usually has a lower nutrient content than raw sludge. Sludge from activated sludge plants with digestion appears to have somewhat similar nutrient content to sludge from plants using anaerobic digestion only (11). Pearse et al (280) presented an interesting table showing the increase in nitrogen (percent of dry solids) in an activated sludge system. Variations from one sewage plant to another are quite large, however (Rapp 364), so that these general conclusions are a poor

TABLE I
SELECTED REFERENCES ON THE CHEMICAL COMPOSITION OF SEWAGE SLUDGE

Author	Year	Ref.	Total Solids	Vol Solids	Ether Sol.	Ash	pH	Organic Constit.	Tot. N	Org. N	NH ₄ ⁺	NO ₃ ⁻	P	K	Ca	Mg
Abbot	1971	223														
Anderson	1959	73				X			X				X	X		
Anderson	1955	71		X		X	X		X				X	X	X	X
Anonymous	1948	62	X			X			X	X			X	X		
Bear et al	1955	52			X	X		X	X							
Berrow & Webber	1972	208														
Calvert et al	1937	22		X	X	X		X	X	X			X	X		X
Clark & Gaddy	1958	11	X			X	X		X				X	X	X	X
Goebgen & Brockman	1969	136														
King & Morris	1972	174	X				X		X		X		X	X	X	X
Masselli & Masselli	1961	231											X		X	X
Pauly & Simonsen	1971	281														
Pearse et al	1946	280		X	X	X			X		X		X	X	X	X
Premi & Cornfield	1969	267							X		X	X				
Rehling & Truog	1940	361							X				X			
Rudolfs	1940	522		X	X			X	X				X	X	X	X
Srinath & Pillai	1968	478											X		X	X
Thompson et al	1964	469													X	X

TABLE I (Continued)
SELECTED REFERENCES ON THE CHEMICAL COMPOSITION OF SEWAGE SLUDGE

Author	Year	Ref.	Na	S	Cl	B	Cu	Zn	Mn	Fe	Mo	Co	Cr	Cd	Ni	Pb	Other Elements	Type of Sludge*
Abbot	1971	223					X	X	X				X		X	X	X	S, P, D
Anderson	1959	73				X	X	X	X		X							A, D, AD
Anderson	1955	71		X		X	X	X	X	X	X							D, AD, AL
Anonymous	1948	62																P, D, DR
Bear et al	1955	52																P, D
Berrow & Webber	1972	208				X	X	X	X	X	X	X	X	X	X	X	X	
Calvert et al	1937	22								X								D, AR, AL
Clark & Gaddy	1958	11		X		X	X	X	X		X	X						A, AD, D
Goebgen & Brockman	1969	136					X	X							X	X		
King & Morris	1972	174	X			X	X	X	X		X				X		X	
Masselli & Masselli	1961	231				X	X	X	X	X			X	X	X		X	S, DR
Pauly & Simonsen	1971	281					X	X	X	X		X	X	X	X	X	X	
Pearse et al	1946	280	X	X	X	X	X	X	X	X			X		X	X	X	P, DR, A, AR
Premi & Cornfield	1969	267					X	X	X				X					D
Rehling & Truog	1940	361				X	X	X	X									AR
Rudolfs	1940	522	X	X	X	X	X	X	X	X		X	X		X	X	X	P, D, A
Srinath & Pillai	1966	478		X			X	X		X	X	X	X		X			S, D
Thompson et al	1964	469	X			X	X	X	X	X	X	X	X		X		X	DR

* S - sewage, P - primary or raw sludge, D - digested,
A - activated, R - dried, L - lagooned.

guide to the chemical composition of sludge from any one plant. The total nitrogen concentration in digested sludge from the four plants sampled by Clark and Gaddy (11), for example, range from 1.81 to 4.71 percent on a dry-weight basis. Concentration of heavy metals may vary many fold (Berrow and Webber 208).

Variations discussed above will cause differences in the chemical content of sludges from one sewage plant to another. Provided the output from any one sewage plant does not vary it should be possible through research to establish safe rates of sludge application for any particular sewage plant. Large variations in chemical composition of sludge from an individual plant from day to day or week to week could cause serious problems in establishing any guidelines.

One might expect a rather variable output of metals from industrial plants depending on the number of shifts worked or changes in the product manufactured. Erganian (118) showed that the chromium content of raw sewage arriving at the treatment plant in Warsaw, Indiana varied widely from day to day with a low value in the month tested of 0 ppm and a high value of 2.19 ppm. McAchran and Hogue (228) showed wide variations in the phosphorus content of raw settled sewage in one plant from day to day and hour to hour. One would expect a portion of this variation to be present in the sludge.

Pearse et al (280) showed that the nitrogen content of sludge from one plant is quite variable. Abbott (223) reported that the heavy metals concentration in digester sludges from Ontario plants is quite variable, the change being over 100 fold within two weeks in the case of chromium at one plant. Zinc changed by a factor of 7 within two weeks at two separate plants. King and Webber¹ have found that truck loads of activated digested sludge drawn from the Guelph, Ontario sewage plant ranged from 2.6 to 6.1 percent solids within a two-week period. The nitrogen content was less variable, ranging from 1990 to 2955 ppm. Zinc content was intermediate with the highest value being over twice as large as the lowest value. In an effort to avoid the variation in sludge, Stewart and Webber²

¹ L. D. King and L. R. Webber, Department of Land Resource Science, University of Guelph, personal communication.

² N. Stewart and L. R. Webber, Department of Land Resource Science, University of Guelph, personal communication.

drew sludge from a constant depth in one digester over a two-day period. The total nitrogen content in this case ranged from 2900 to 3580 ppm and the ammonium nitrogen content from 865 to 1064 ppm.

Unpublished data for digested sludge from Chatham, Ontario provided by the Ontario Ministry of the Environment show the total nitrogen content ranging from 1800 to 3000 mg/l in 3 weeks. If one of the nutrients or heavy metals is the limiting factor in sludge application rates a **very** large margin of safety will be required where the concentration of that particular nutrient or metal in the sludge can vary several hundred percent from day to day or week to week. This variation in output from any one plant is one of the most difficult problems likely to be encountered in arriving at useful guidelines for safe rates of sludge application to agricultural land.

AFFECTS OF SLUDGE ON PLANT GROWTH AND WATER POLLUTION

There are many references to the affects of sewage sludge on plant growth. In most cases it has been compared with chemical fertilizers and animal manures and has usually been found to be a suitable substitute (8, 9, 10, 19, 22, 52, 55, 68, 71, 87, 95, 151, 205, 226, 234, 280, 305, 341, 377, 378, 445, 446, 449, 454, 482, 522, 538, 556, 565).

Nitrogen

Sewage sludge can be a useful source of nitrogen for plant growth but the nitrogen content varies considerably depending on the sewage plant processes. Pearse et al (280) reported that digestion reduces the nitrogen percentage of sewage solids but that in an activated sludge system the nitrogen percentage can nearly double. Liquid digested sludges frequently contain an appreciable portion of their nitrogen in the ammonium form. Coker (10) reported the nitrogen in the Meads, Hertfordshire digested sewage to be 67% in the ammonium form. King and Webber¹ show that approximately 40% of the nitrogen in digested activated sludge from Guelph, Ontario was in ammonium form. King (174) shows that approximately 28% of the nitrogen in digested sludge from Athens, Georgia was in the liquid fraction and most of this was in ammonium form. Since much of this ammonium nitrogen is in solution it is lost when sludge is dewatered, resulting in a reduced value as a fertilizer and increasing the amount of nitrogen in the sewage plant effluent water. When the pH of the sludge is above 7.0 the ammonium nitrogen remaining after de-watering is likely to be lost if the sludge is heat-dried. Molina et al (310) show that it can also be lost on air-drying. Sludge treated with lime for conditioning or for phosphorus

¹L. D. King and L. R. Webber, Department of Land Resource Science. University of Guelph, Guelph, Ontario, personal communication.

precipitation would be expected to lose much of its ammonium nitrogen if dried. Coker (9) quoted two different authors as saying that 28 and 44 percent of the nitrogen in sludge was lost on drying. He stated that losses also occur by evaporation from sand beds. As early as 1932 Skinner (340) reported experiments from Bedford, England which indicated that 80 percent more value had been found in liquid than in the resulting dried sludge. It seems likely that most of this difference would be due to nitrogen. Loss of nitrogen seems to have been largely overlooked as a reason for applying the liquid as well as the solid fraction of digested sludge to land. King (171) shows that a smaller fraction of the phosphorus, potassium, and calcium and most of the sodium are also in the liquid fraction of digested sludge and would therefore be lost to the effluent on dewatering.

One of the advantages of organic manures is their gradual release of nutrients, and most particularly nitrogen, in contrast to the more common inorganic fertilizers in which the nitrogen is immediately soluble and available for plant growth and also for leaching from the root zone. A number of workers have studied the rate at which nitrogen from sludge becomes available for plant growth in comparison with other organic and inorganic fertilizers. Fraps (490) reported on some of the earlier studies in which plant uptake of nitrogen was used to measure availability. He concluded that the nitrogen in activated sludges was about equal to that in cottonseed meal while that in digested sludges (including activated digested) was half as available. Later workers have used nitrification rates in soils as a measure of nitrogen availability (Anderson 71, Clark and Gaddy 11, Fuller and Jourdain 128, Molina et al 310, Premi 566, Premi and Cornfield 267, Stephenson 477). In general it has been shown that the nitrogen in digested, or activated, digested sludge is considerably less available than that in activated sludge which is in turn much less available than that in ammonium sulfate. There is a considerable portion of the nitrogen in the sludges that does not nitrify readily. Clark and Gaddy (11) showed that at least 40 and 80 percent of the nitrogen in activated and digested sludge respectively was not nitrified after 4 weeks of incubation and that nitrification after the fourth week was extremely slow. Filtered sludges were used in these studies, no doubt

resulting in a lower proportion of ammonium than would be the case in fluid sludge. Stephenson (477) and Anderson (71) also showed large portions which had not nitrified after 42 days and 16 weeks respectively. Stephenson used air dried sludges but it is not clear whether Anderson's sludges were dried or not. Molina et al (310) found that the organic nitrogen in digested sludge was not mineralized readily although the ammonium fraction was. They concluded that "digested sludge is a stabilized material which is not amenable to immediate biodegradation."

Premi and Cornfield (267) ran incubation studies with undried digested sludge and concluded that "virtually all the nitrate produced was derived from nitrification of ammonium - N in the liquid fraction." It appears that sewage sludges have two rather distinct and quite different nitrogen fractions, an ammonium fraction which nitrifies quite readily, probably as readily as that in ammonium sulfate, and an organic fraction which is quite resistant to mineralization. It is unfortunate that in a number of the reports on nitrification rates, the proportion of the nitrogen in ammonium form has not been presented.

There is an interest in sewage sludge as a source of nitrogen for crop growth on productive soils, and as a source of stable organic material or humus which can be added to beach sand, mine spoil banks, and other materials low in organic matter, to form productive soils. Where sludge is used in this latter soil-building role the rates applied are usually extremely high (Harrop 159, Merz 226, Scanlon 337). Merz used rates as high as 670 metric tons of dry solids per hectare in one season in his experiments. Merz stated that it is possible to apply 224 tons of dry solids per hectare without in any way impairing crop growth. This application of the San Diego digested sludge used by Merz would supply 6,200 kg of nitrogen per hectare. Merz stated that this amounts to 80 times the amount of nitrogen and 140 times the amount of phosphorus normally used as commercial fertilizer. If sludge applied at these rates contains an appreciable amount of ammonium, nitrification would be expected to occur and groundwater pollution with nitrates would result. From what is known about nitrogen transformations, this could be prevented only if the ammonium nitrogen could be driven off by raising the pH, preferably before application to the soil, or if the soil could be

kept partially or intermittently anaerobic so that the nitrate which forms is lost to the air by denitrification. At these rates of application, it seems unlikely that even the organic nitrogen in the sludge can be kept from nitrifying sufficiently to prevent groundwater pollution. Unfortunately, where high rates of sludge are used for land reclamation, I have been unable to find records of groundwater monitoring except for a short period by Harrop (159). Harrop applied 200 metric tons of digester sludge solids per hectare on one site in 1968 and 340 equivalent dry tons of Chicago lagoon sludge per hectare to a second site in 1969. Correspondence with Dr. C. Lue-Hing of the Greater Chicago Sanitary District has revealed that monthly monitoring of the groundwater was continued until 1971, 3 and 4 years after sludge application by Harrop. There has been no increase in nitrates in the test wells. An increase in ammonium levels of 2 to 7 ppm was observed in wells on one of the two sites. The ammonium levels at this site dropped to the initial level in the third year.

Some problems with toxicity of sludge to both plants and nitrifying bacteria have been recorded in the literature. Premi and Cornfield (267) found a delay in nitrification in soils at high rates of sludge but could not induce the same effect with ammonium sulfate and therefore concluded that it was not due to ammonium. Later (503) they suggested that it may have been due to a combination of high ammonium concentrations and high pH. Molina et al (310) suggested the same cause but explain that it could be nitrite toxicity as nitrite levels can build up in the soil when ammonia levels are high. These authors found poor seed germination in soil treated with sludge but the toxic effect could be avoided by delaying seeding for one week after sludge application. They suggest that this effect can also be avoided by applying the sludge in furrows and seeding on ridges. Similar toxicity was reported by Lunt (242).

It appears that there can be problems caused by ammonia when high rates of sludge are applied to soils. These are familiar problems to farmers using common commercial fertilizers and manure, however, and should not pose as a serious obstacle to the use of sludge for crop production.

The main problem nitrogen poses in land disposal of sludge is pollution of ground and surface waters. Production and harvesting of crops can increase the amount of nitrogen which may safely be applied to land, and grasses have been very commonly used for this purpose. Some of the nitrogen in sludge may be removed by loss to the air at high pH before or after application to the soil. It is also possible that after some of the nitrogen in sludge, particularly that in ammonium form, has been nitrified in the soil, it could be removed from the soil-water system by denitrification under conditions of limited oxygen supply. This would require careful control and manipulation of the oxygen supply.

Hinesly and Sosewitz (541) stated that "sludge application rates which supply nitrogen in amounts greater than those needed for crop production will increase nitrate levels in drainage water." This answer should be accepted until means are found for disposing of that nitrogen not required for crop production.

Other Macronutrients

Phosphorus content of sewage sludges is quite variable, ranging according to Anderson (72) from 0.8 to 7.4 percent on a dry weight basis. The phosphorus content of sludges has increased over the years due apparently to increased use of detergents containing phosphorus (72, 377). Phosphorus is an important plant nutrient which is widely used as a fertilizer for crop production and sewage sludges are an excellent source (Vlamiš and Williams 445). From one series of experiments with a large number of sludges, it was concluded (62) that the phosphorus in domestic sludges was up to one half as available as that in superphosphate. Soils have a tremendous capacity to hold phosphorus in insoluble forms with the result that phosphorus in sewage or sludge incorporated in soils has not usually been a water pollution hazard (Bendixen et al 49, Greenberg and McGauhey 145, Sopper 502). On coarse textured and organic soils, the phosphorus retention capacity can be limited and phosphorus pollution of groundwater might occur at high rates of sludge application. Some evidence of this is provided by Huseman and Wesche (181).

Potassium is an important plant nutrient in which many soils are deficient. Because potassium in plant and animal wastes is soluble,

however, most of the potassium in sewage remains in the effluent and the content in sludge is quite low. Supplementary potassium additions are frequently required where plants are fertilized with sewage sludge (King and Morris 1974). Fluid sludges can be expected to contain more potassium on a dry weight basis than de-watered sludges.

Sodium is similar to potassium in solubility but is rarely insufficient in soils for plant growth. Because of its accumulation in waters in arid regions and its use in industry it could occasionally add to salinity problems where sewage sludge is used in arid regions. It is more likely to cause problems where the sewage effluent is used for irrigation.

Calcium in sewage sludges is probably more important in preventing the development of soil acidity than in preventing calcium deficiency. Where lime has been used as a conditioner or for nutrient removal the calcium content can be extremely high. The resulting high pH might be expected to interfere with the availability of other nutrients although no reports of such problems were found in the literature.

Micronutrients

Because the amounts of manganese, iron, copper, zinc, boron, and molybdenum required by plants are small they are referred to as micronutrients. An excellent volume on the agricultural value of these elements and their reactions has recently been published (430). Some soils, a small percentage of those in Ontario, are deficient in one or more of these elements and a few provide excessive amounts for certain crops. Requirements vary quite markedly from one plant species to another and even one variety to another within species. The range between deficiency and toxicity is rather narrow in some cases and this is particularly true for boron. In Ontario for example the rate of boron fertilizer required for rutabagas can be toxic to oats or beans.

The availability of micronutrients for plant growth is markedly affected by soil pH. They all become more available as the soil pH is lowered from neutrality (pH 7.0) except molybdenum for which the reverse is true.

Sewage sludge contains all the micronutrients and can serve as

a source of these for crop production. One should not generalize on the value of this, however, as many soils are adequately supplied with most of the micronutrients and in some cases the sludge may be of negative value because of excesses.

Manganese and iron are required by plants in larger quantities than the other micronutrients. Manganese is frequently present in acid soils in toxic amounts, however. In spite of this, manganese toxicity does not appear to have been a major concern where sludge has been used. Lunt (240) mentioned one case of manganese toxicity where sludge was applied to a soil of pH 5.0. Keller and Halter (268) suggested that use of refuse-sludge compost is not likely to cause toxicities or deficiencies of manganese or boron in Central or Western Europe. They also stated that "widespread use of borax washing compounds in Switzerland seems not to influence boron content of sludge." No doubt there are situations where manganese or boron could cause problems in the use of sludge for crop growth but they do not appear to be of major concern. With the exception of areas where the water is initially high in boron, such as parts of California, neither boron nor manganese from sludge is believed to cause a water pollution hazard.

Iron is contained in sludge in quantities up to one or more percent but like manganese and boron it appears to be of little concern for crop growth or water pollution. Much of the iron in sludge is insoluble and most soils contain appreciable amounts of iron which remains insoluble and unavailable under conditions of good aeration and near neutral pH. Excessive levels of the metals, copper, cobalt, nickel, chromium, manganese, or lead in the soil interfere with the availability of iron and thus cause deficiencies.

Molybdenum is required in very small amounts by plants, less than 0.5 kilogram per hectare usually being sufficient to correct deficiencies. With some exceptions (11, 208) it is low in sludges. Molybdenum toxicity in plants is rare as they appear to have considerable tolerance (431). Toxicity is occasionally a problem in animals fed plant material containing high molybdenum concentrations. Where sewage sludge applied to crop land contains more than a few parts per million, monitoring of plant molybdenum concentrations would be advisable.

Cobalt is not believed to be a requirement of most plants but is a requirement of root nodule bacteria of legumes and of ruminant animals. There is little information on cobalt toxicity. Its content in sludges is low but variable.

Although they are plant micronutrients, copper and zinc are discussed in the next section as the problems they pose in relation to land disposal of sludge are similar to those with some of the non-nutrient heavy metals.

Heavy Metal Toxicities

The plant micronutrients copper and zinc and the non-nutrient metals chromium, nickel, cadmium and lead have received attention in recent years in regard to environmental quality.

Copper and zinc contents of sludges vary widely. Clark and Gaddy (11) list activated, digested, and activated digested sludges from the U.S.A. with copper concentrations ranging from 0.03 to 0.20 and zinc concentrations from 0.06 to 0.37 percent of dry weight. Berrow and Webber (208) give a range of 0.02 to 0.8 percent for copper and a median of 0.08, and a range of 0.07 to 4.9 percent for zinc with a median of 0.3 percent for sludges from England and Wales. Thompson et al (469) report concentrations up to 0.6 percent copper and 0.7 percent zinc in Oklahoma sludges. Srinath and Pillai (478) found 0.05 percent copper and 0.05 to 0.06 percent zinc to be representative of one activated sludge plant in India.

It is commonly believed that the higher concentrations of copper and zinc in sludge are due to wastes from metal plating and other industrial operations. Berrow and Webber (208) state that concentrations up to 0.3 percent are normal even for sludges from sewage works receiving little or no industrial effluent.

A few soils are deficient in copper and a somewhat larger number are deficient in zinc for plant growth. On these soils moderate applications of sewage sludge are likely to be advantageous. However fertilizer applications to prevent deficiency usually amount to 20 kg. of soluble zinc or less per hectare. Copper fertilization is less common than zinc and rates of application are usually lower (431).

An application of 20 metric tons of sewage sludge (dry weight) per hectare at 0.3 percent zinc would result in 60 kg. of zinc applied per hectare. At a rate of 200 metric tons per hectare the zinc application would reach 600 kg per hectare. These rates are greatly in excess of those recommended to prevent or correct deficiencies.

The heavy metals are predominantly in the solids portion of digested sludge (267), (540), and Molina et al (310) showed that they remain insoluble on aeration. Rehling and Truog (361) showed however that carbonated water (pH 4.5) extracted sufficient boron, manganese, molybdenum and zinc from dried activated sludge to supply the needs of plants.

Berrow and Webber (208) stated that the total amounts of copper, zinc, and tin in dried sewage sludges were approximately 40 times those in British soils. They reported that the median figure for zinc in sludge, soluble in 2.5 percent acetic acid, was over 500 times that in soils. Soluble copper content was also quite high.

Several authors have expressed concern about zinc and copper toxicity to plants where sludge was applied. Lagerwerff (535) presented a very useful discussion of heavy metal contamination of soils and mentions sewage as one source of contamination. King (50) showed reduced growth of rye where a 5 cm layer of sludge containing on the average 6.3 percent solids and 151 ppm zinc (0.24% of solids) was applied four times in the preceding year. The rye forage contained 380 ppm or more of zinc, and exchangeable zinc in the surface soil was quite high. Zinc toxicity was not confirmed but the author believed it was the most probable cause of poor growth. Copper content of the forage was also quite high.

Rohde (352) reported that land around Paris and Berlin, irrigated with city sewage for many years, ceased to produce high yields of crops. He found these soils to be unusually high in both acid-soluble and water-soluble copper and zinc. Although Rohde found higher zinc concentrations than copper in the soil he suggested that copper was more likely to be the main cause of poor growth. Most plants require more zinc than copper and although copper concentrations in sludge are usually lower than those of zinc it should not be assumed that zinc is for that reason more likely to be toxic. Le Riche (246) found a high

content of copper and zinc in plants, and extracted with 0.5 N acetic acid from soils which have been fertilized with sewage sludge for 20 years. Yield was not reduced but the sewage sludge applied was relatively low in copper and zinc, 0.002 and 0.08 percent respectively on a dry weight basis. Le Riche does mention that metal toxicity was suspected as the cause of sugar beet failure in several localities on sludge treated soil where affected plants contained abnormally large concentrations of zinc, nickel, and chromium. Carlson and Menzies (21) suggested that copper and zinc toxicity may cause problems when sludge is applied to land.

Berrow and Webber (208) mentioned that "over the years problems of crop growth arising from the use of sewage sludge (in Britain) have been investigated by soil scientists of the National Agricultural Advisory Service. Heavy metal toxicity has usually been diagnosed". These are apparently the same cases mentioned by Le Riche (246). Rinno (357) mentioned iron chlorosis in "sewage-sick" soils and attributes it to copper and zinc toxicity.

It is rather surprising that Merz (226) did not find metal toxicities in barley when he used up to 670 metric tons of San Diego sludge solids per hectare in one year. Heavy metal content of the sludge was not reported but San Diego is an industrial city so one would not expect the sludge to be particularly low in metals. Other workers have used rates of 200 metric tons or more per hectare without toxicity problems. Seiberth and Kick (326) after twelve years of fertilization with a sludge compost report a greatly increased total and exchangeable content of copper and zinc in the soil but only a slight increase in the concentration in the crops. There is evidence that sewage sludge can prevent metal toxicities from occurring by making the metals less soluble (540 , 545).

Chromium content of sewage is usually lower than that of zinc or copper although it can be quite high (208 , 231). Tannerys are a major contributor of chromium to sewage (208) but metal plating can also be a major source (231). Metal toxicities have occurred on or near serpentine formations and some workers have suggested that high chromium concentra-

tions may contribute. Nickel has more commonly been considered as the cause, however.

Chromium toxicity can be induced when Cr^{+6} is added to soils or nutrient solutions (Turner and Rust 135). Plant response to chromium has been recorded (430, p 209) but is certainly uncommon. Andrezejewski (455) used chromium⁺³ tanned ground leather as a nitrogen source without causing chromium toxicity. Lagerwerff (535) said that chromium is not known as a soil contaminant. Small quantities of chromium are required by animals and man but toxicities do not appear to have aroused a great deal of concern.

Nickel content of sewage sludge is usually considerably lower than zinc, copper, or chromium but there are exceptions (208), (469). Nickel toxicity in plants has been recognized for some time on serpentine soils (535). Although nickel toxicity from use of sewage sludge has not been reported, some caution appears warranted where sludge high in nickel is used.

Cadmium concentrations in sludge are usually lower than those of copper, zinc or nickel. Masselli and Masselli (231) analysed digested sludge from five New England sewage plants and all contained less than 100 ppm cadmium on a dry weight basis. Five Danish sludges contained less than 60 ppm on a dry weight basis (281). Out of 42 sludges from England and Wales (208), 35 contained less than 100 ppm, the limit of detection, but seven contained more than 100 ppm and one contained 1500 ppm. Cadmium is readily taken up by plants (Lagerwerff 499) but has apparently given no cause for concern in regard to plant growth. Cadmium in cows' milk reflects the cadmium level of the pasture on which the cows graze and there is considerable concern about the relation of cadmium to human health. Some studies have related cadmium to hypertension and cardiovascular disease, although the evidence is not conclusive (Lagerwerff 499). A close watch on the cadmium content of sludge, and of plant material grown on sludge appears to be warranted where the plant material is used for human or animal food.

Lead is present in sewage sludges but has caused little concern in terms of plant growth. Soils appear to have a remarkable ability to fix lead in unavailable forms (499) and although it can be toxic to plants,

toxicity is apparently extremely rare. Lead is toxic to humans and animals and a great deal of concern has evolved around its content in the atmosphere. A few sludges are quite high in lead (208) and contamination of soils and human and animal food from this source should not be overlooked.

Water Pollution from Heavy Metals

The ability of soils to hold heavy metals and prevent them from reaching the groundwater is probably as important in their use for sludge disposal as the effect of sludge on plants and the animals and humans that eat them. The heavy metals, manganese, copper, zinc, chromium, nickel, cadmium, and lead are all held in water insoluble forms by soils (267, 310, 540).

Organic matter holds these heavy metals rather tightly in various compounds and chelates (430). If this were not so, the soluble heavy metals in sewage would no doubt leave the sewage plant in the effluent water instead of largely in non water soluble form in the sludge. The reactions of heavy metals in the soil were discussed in some detail by Ellis and Knezek (492) and by Stevenson and Ardakani (488). They are held in quite stable complexes so that Kick et al (545) were able to correct the toxic effects of heavy metal ions in soil by applying sewage sludge. Most of the micronutrients form relatively insoluble hydroxides in soils and they are also held to the clay surfaces by exchange reactions and other bonding mechanisms (492). Some organic matter-metal complexes and chelates are soluble however, and thus available for plant uptake or movement through the soil.

The heavy metals are very much more soluble at low soil pH than at pH values above 6.5 (492, 535) partly due to the more oxidized state of these metals at higher pH values. Liming of soils has been commonly recommended for many years both to prevent and cure toxicities of manganese, iron, aluminum, copper and nickel. European workers have emphasized that heavy metal toxicities due to sludge application can be prevented if the soil pH is maintained at a high level by application of lime.

Because the heavy metals are held both by the soil organic

matter and clay minerals they tend to be concentrated in the part of the soil where they are applied, usually on or near the surface (535). Plants remove small quantities of the heavy metals from soils in the portion of crops which are harvested, or re-deposit them on the surface in crop residues. Rainfall and irrigation water on the other hand tend to leach the nutrients to lower depths.

The heavy metals are more soluble in the soil under conditions of low oxygen supply. A number of the metals change to a lower oxidation state under poor aeration and the low oxidation states are more soluble. The oxygen supply diminishes rapidly when soils are water saturated but may also be low at lower water content where rapidly decomposing organic matter causes a high oxygen demand. Bocko (44) pointed out that sewage, and presumably sludge, can increase the oxygen demand. Kee and Bloomfield (134) studied the effect of flooding and anaerobic incubation on soils with and without addition of plant material. They found that iron, cobalt, nickel, lead, vanadium, and molybdenum were mobilized when flooded and incubated with plant material. Copper was liberated when incubated with water, but when organic material was added, the extractable copper disappeared rapidly. When the soil was "re-aerated" the amount of extractable manganese, cobalt and zinc changed very little. These results emphasize the importance of good aeration if the heavy metals are to be held from moving into the groundwater. Bouwer, working with sewage effluent, also emphasizes the importance of aeration (38).

Lehman and Wilson (247) flooded a calcareous sandy soil with sewage effluent continuously or every second day for 11 weeks. Manganese and nickel were found in the filtrate at 30 cm. depth in the continuously flooded lysimeters, but not below 8 cm. in the lysimeters flooded on alternate days. Small amounts of copper and zinc moved through the lysimeters with both flooding treatments. These results were confirmed in a field site. No lead moved below 60 cm. in the lysimeters or in the field. Cadmium remained near the surface both in lysimeters and in the field. The leaching and frequent anaerobic conditions used in sewage disposal by irrigation are far from typical of what would occur in sludge disposal. The solubility of the metals may also be different in sewage effluent than in sludge.

Little information is available on the movement of metals when sludge has been applied. Hinesly et al reported (540) that after application in digested sludge, the heavy metals remain in the plow layer and that solubilization is negligible in soils of neutral or high pH. One might expect problems with metal uptake by plants or leaching into the groundwater when the pH is allowed to drop below 6.5 or the soil becomes anaerobic. Although most crops grow well at pH values of 6.5 and above, there are some crops which do not. It may be impractical to grow these crops where heavy applications of sludge are used. Problems would be most severe with sludges high in heavy metals and on sandy soils low in organic matter as both clay and organic matter are important in holding metals. Because of aeration problems, one would be concerned about heavy metal toxicities where sludge is applied to poorly drained soils. This may conflict with efforts to remove nitrogen from the sludge by denitrification.

Although heavy metals at the average concentrations found in sludge do not appear to pose insurmountable problems in sludge disposal, more information is required. There are concentrations of heavy metals in sludge, however, that are much higher than the average and which, if applied to land, will probably result in very high total content in the soil for hundreds of years. These extreme concentrations come from industrial sources and it appears that an effort should be made to prevent extreme levels of metals from reaching the sewage plants. This seems more logical than trying to control land application to the extent that even extreme rates will not result in a build-up in the soil. It might also help to reduce the variability in sludge from a particular plant from week to week or month to month. Any possibilities for reducing the hour to hour or day to day variability in sludge from any one plant should also be explored. It is becoming common for farmers to mix their liquid manure before spreading to provide a more uniform material. Perhaps a thorough mixing of the sludge in storage tanks would also be possible and would result in a more acceptable amount of variation in the product.

Concern for pollutants, including heavy metals, in human and animal foods and knowledge of their importance has grown rapidly in recent years. It is probable that future studies will find new relations

between heavy metals, a number of which have not been mentioned in this article, and human and animal health. The importance of some elements in sewage sludge could change rather markedly as a result.

DISEASE ORGANISMS AND PARASITES

A number of diseases can be transmitted through sewage (189, 280, 480) and chiefly because of this many countries or states have rather specific regulations on the use of sewage effluent and sewage sludge for production of crops used for human or animal food (63, 149, 168, 360, 434, 506, 560). There has been concern in this area for many years and the topic has received considerable study (280, 297, 344, 480). A common recommendation is that sewage not be used for irrigation of vegetables for human consumption or for irrigation of pastures used for dairy cows. It is not clear whether many of the recommendations also apply to application of sewage sludge.

Plant Diseases

The spread of plant diseases through sewage use on land has received little attention. Cooke and Kabler (554) isolated 18 different plant pathogenic fungi from sewage. They comment that some fungi which can be quite useful in breaking down sewage are pathogenic to plants. Cooke (557) isolated 9 species of *Fusarium*, a wilt producing fungus in plants, in a sewage stabilization pond. He suggested that use of sewage effluent or sludge on crop land could produce a heavier than normal spore load and under suitable conditions become a potential hazard to the farm community. Cole et al (7) discussed the danger of plant diseases due to sewage irrigation and are concerned about the possible problems, particularly in humid areas. One would expect that the possibility of plant disease infection from sludge would be a good deal less than with sewage irrigation because of the less frequent application and different timing of applications. However, this aspect of sludge disposal should not be overlooked.

Bacteria

Rudolfs et al (480) published a rather comprehensive review of the literature up to 1950 on bacteria and viruses in sewage, sewage sludge,

and on vegetation. They concluded that raw fruits and vegetables growing in infected soil can be contaminated with pathogenic bacteria and may be difficult to clean or disinfect. They believed that the organisms Esch. coli, E. typhosa, and M. tuberculosis were most resistant. Viability was greater at low temperatures, in moist soils high in organic matter, and near neutral in pH. Presence of other organisms tended to reduce the survival time.

Raw sewage sludge is heavily contaminated with coliform bacteria and pathogens (143) and frequently its use on land is prohibited. Lewin (244) said that the use of raw or even cold digested sludge is rarely satisfactory and Leaver (248) suggested that raw sludge should be buried.

The processing of sewage in itself affects the bacterial content of the sludge. Connell and Garrett (5) studied 136 samples of heat dried sludge from various sewage plants and found none with a coliform count above 17 per gram. They comment that, since the bacterial, parasitic, and viral enteric pathogens that commonly occur in sewage have the same order of heat sensitivity as the coliforms, they are also destroyed. There was also some destruction of heat resistant organisms. These authors believe that heat dried sludge is safe even for growing of flowers and vegetables. Bartow and Hatfield are quoted by Pearse et al (280, p. 38) as finding that only spore-forming bacteria were present in heat-dried activated sludge. Heat-dried activated sludge has been approved for general fertilizer use by the American Public Health Association (19) and has been commonly sold in North America for home garden use since the early 1940's. Air drying reduced but does not eliminate disease organisms (19).

Reeves (483) found large numbers of coliforms and the presence of pathogenic genera in compost made from sewage sludge and sawdust. However, sludge composted under controlled conditions where the temperature was allowed to rise to 65 - 70°C was considered by Drige (225) to be free of pathogens. Shell and Boyd (325) showed that composting killed added salmonella as well as pathogenic yeasts, viruses and ascaris ovae. From Wiley's review of the literature on composting (418) it appears that, provided the temperature is high enough, pathogens are destroyed.

Doyle (101) found that liming raw sludge to pH 12 or above destroyed Salmonella typhosa although a coliform test was positive in most cases. Trubnick (458) showed that addition of lime in the dewatering process reduces the coliform count. He suggested that a properly conditioned dewatered sludge, fresh or digested, would be limed to pH 11 or 12 and could be disposed of with a "minimum possibility for the spread of pathogenic organisms." Ferric chloride, used along with lime as a conditioner, was believed to contribute to this effect.

According to Chambers (19) digestion of sludge reduces pathogenic organisms but does not eliminate them. Goldstein (137) on the other hand quotes microbiologist John Mandell as saying that the sludge from the Allentown, Pennsylvania plant would be considered to be free of any pathogenic organisms such as salmonella and shigella. Etzel et al (119) found that gamma irradiation at 200,000 rads effectively removed the public health hazard from sludges.

There have been many studies on the survival of pathogens after spreading in the field. Most of these studies have dealt with irrigation of sewage effluent rather than sludge. Because of the method and frequency of application, one would expect less opportunity for above ground plant material to be contaminated from sludge than from effluent irrigation. Once infected, survival of the pathogens from sewage or sludge on the plant material would likely be similar.

Most workers appear to agree with Rudolfs et al (344, 480) that raw fruit and vegetables growing on contaminated soil can be contaminated with pathogenic organisms and are difficult to disinfect. Even chlorine rinses are unreliable. The only reliable method of decontamination is pasteurization, according to these authors (344). However, Dunlop and his co-workers (105, 106, 109) and Norman and Kabler (297) found no significant contamination of vegetables with salmonella when contaminated water was used for irrigation. Rudolfs et al (344) found no evidence that "pollutional" bacteria or amoeba penetrate healthy unbroken surfaces of vegetables. No higher coliform count was found by these authors on vegetables grown on soil irrigated with sewage the previous year than where no sewage had been applied. They suggested that sewage irrigation of vegetables should be stopped one month before harvest and that if this

is done no higher bacterial contamination results than if chemical fertilizers are applied. Dunlop (107) gave a very useful review in which he summarized the survival time for various pathogens in soils and on vegetables. From this, it appears that one month from sewage or sludge application to harvest would allow little margin of safety. Dunlop concluded that vegetables eaten without cooking should not be irrigated with sewage effluent unless they are disinfected. It seems reasonable that this should also apply to sewage sludge.

Mallmann and Litsky (452) found that coliform organisms persisted in soils for long periods, but that enterococci and typhoid bacilli died out rapidly. The higher the soil organic matter content, the greater the persistence. They concluded that the value of coliforms for measuring the health hazards of vegetables from soils receiving sewage is small and that the streptococci appear to have value for this purpose. Other workers (107) have found typhoid surviving in soils for two months or more.

Henry et al (161) found soils effective in removing coliform bacteria from sewage effluent. Butler et al (23) concluded that bacteriologically safe water can be produced by percolating sewage effluent through 1.2 meters of fine sandy loam soil, but finer textured soils were more efficient, and coarse textured less efficient, in terms of the depth required. Möller (309) concluded from his studies that sewage irrigation will not contaminate the groundwater with pathogens provided the water table is 5 meters deep or more. Hinesly et al (540) found that a Plainfield sand removed the fecal coliforms from drainage water. However, the drainage water from Blount silt loam and Elliot silt loam was high in coliform organisms. The authors did not expect this difference, but speculate that it may have been due to cracks in the latter two soils.

Soils have been used for sewage effluent disposal for many years and sludge disposal for a somewhat shorter period, but it appears that more work is required to set reliable guidelines for safe application of sludge from a bacterial standpoint.

Viruses

Out of 140 samples of raw and treated sewage, Kelly and Sanderson (496) isolated 166 strains of viruses. Chlorination "often, but not always, reduced the frequency of isolation and the concentration of particles." Nupen (294) believed that enteroviruses and hepatitis virus are more resistant to chlorination than organisms of the coliform group. Mack et al (487) took 1403 samples of Lansing and East Lansing sewage over a 24 month period. The most probable numbers of coliform and enterococci followed the same general pattern as that of the viruses. Viruses were isolated from 8 percent of the samples. Viruses were found in the raw sludge more frequently than in the sewage. Clark et al (561) found that activated sludge removed most, but not all, of the viruses from sewage, but they were only able to recover a small percentage from the sludge. Kelly and Sanderson(496) could find no active viruses in activated, Imhoff tank, or digested sludge. Later, Kelly et al (489) studied the mechanism of virus removal and believed that it was partly due to adsorption and partly biological.

Grabow (36) in his review mentioned that ultraviolet radiation can kill viruses. This review also mentions that pH has an effect on virus inactivation. At pH values approaching 10.0, three days were required for the de-activation of polio type 1 virus. At pH values above 10.0, de-activation was much faster.

Drewry and Eliassen (172) studied the adsorption of bacterial viruses on soil and report that at pH values above 7.0 or 7.5, adsorption decreases rapidly. In general, the higher the clay and silt content and ion exchange capacity, the greater the adsorption, but there were exceptions. They concluded that virus movement through soils under saturated conditions should present no great hazard in most soils provided reasonable precautions are observed; for example, if wells are not placed within 30 to 40 meters of septic tanks.

MacDonald (54) studied the persistence of viruses in soils and developed equations for predicting the depth of filter bed required to achieve a desired degree of viruses purification.

Human and Animal Parasites

Rodolfs et al (479) suggested that the main organisms in the animal kingdom which are of concern as human and animal pathogens transmitted in sewage belong to the protozoa and the helminths.

Of the protozoa, Endamoeba hystolytica, which causes amoebic dysentery, is considered the most important. Rudolfs and his co-workers presented a very useful discussion of the work on this organism up to 1950. They concluded that it is mostly water-borne and that the cysts may survive for weeks or possibly months in water or sewage. There is some question whether Endamoeba hystolytica can survive anaerobic digestion of sludge (280) although it has been reported to survive 12 days of digestion at 20°C or 10 days at 30°C (107). It apparently cannot survive air drying even for a few minutes (107, 344, 479) and probably survives on plant material only for a day or two (107) unless conditions are very wet. Rudolfs et al (344) suggested that one week would exceed survival time in temperate regions and two weeks in the wetter climates of tropical regions. It can apparently survive on soil for at least a week (107). No mention of its movement through the soil to the groundwater has been found, but this seems unlikely to be a common problem since it is reported to be efficiently removed from water by a sand filter (479). Endamoeba hystolytica does not appear to be of critical concern in regard to use of sewage sludge on land as other pathogens have much longer survival times.

Stone (383) reported one outbreak of the tapeworm Cysticercus bovis in beef cattle grazing on pasture freshly irrigated with raw sewage.

Among the parasitic helminths of particular concern are the tapeworms, Hymenolepis nana; the roundworms, Ascaris lumbricoides and Trichuris trichiura; and the hookworms, Necator americanus and Ancylostoma duodenale (479).

Rudolfs et al (479) reviewed the literature on survival of helminths and reported that ascaris eggs were most resistant both to chemicals and to environmental conditions. They can survive sewage sludge digestion at 20-30°C for three months and hookworm eggs can survive digestion for 64 days at 20°C or 41 days at 30°C. Krige (225) agreed that ascaris eggs can survive sewage digestion. Ascaris eggs were viable

in sludge for 118 days in a greenhouse and 170 days outdoors under drying conditions. It appears that air-drying does not kill ascaris eggs and probably not hookworm eggs. Both hookworm and ascaris eggs passed through the activated sludge process. Composting is reputed to free the soil of ascaris. Liming of sewage is reported to have hastened the death rate of ascaris eggs to the extent that they failed to develop after one to 12 days depending on the lime concentration.

Under favourable conditions ascaris eggs can survive in soils for 6 to 12 weeks, the survival time being lowest in sand soils in the sun(479). Higher organic matter and clay content increase survival time. The eggs can apparently live over winter in the soil in temperate regions but do not survive well in very wet soils. Dunlop(107) reported much longer survival times for ascaris than those reported by Rudolfs et al (479), 2.5 years survival in soil and up to seven years in sewage. Kostomarova-Nicitina (220) also mentioned survival periods of five to seven years. They found 24 species of algae which are effective in destroying ascaris eggs.

Rudolfs et al reported that ascaris eggs remained on lettuce and tomatoes for some time, but had degenerated by 27 to 35 days.

It appears that helminths should not be a problem on above ground vegetation grown the year after sewage sludge application or if sludge is worked into the soil before seeding or planting. However, from the reports in the literature, one is left with some doubts about the safety of eating raw roots of vegetables such as radishes grown even a year after sludge application.

TYPES OF SEWAGE SLUDGES

Comments have been made throughout this review concerning differences in sludges which affect their performance when applied to land. There are several aspects that may warrant further comment.

Raw Sludge

Opinion appears to be rather common that sludge which has not been through a digestion process should not be used for land disposal. Lewin (244) stated that use of raw or even cold digested sludge on land is rarely satisfactory and Leaver (248) suggested that raw sludge should be buried; apparently, raw sludge may be spread on land in Colorado (Korbitz, 506), provided it is spread 300 meters or more from public access, 0.8 kilometers from residences, and provided there is assurance of no human or animal access for at least 12 months. Pearse et al (280) reported that in 1942 there were 28 U.S. states which recommended that only heat dried or digested sludge be used. He listed as reasons odour problems, physical ill effects on the soil, partly because of the high fat content, and the possibility of spreading disease. Weed seeds can also be a problem (280).

Chemical Sludges

Chemical treatment of sewage for nutrient removal is receiving increased attention as a means of precipitating more phosphorus than would otherwise be removed in the sludge. In Ontario, sewage plants whose capacity exceeds one million gallons per day and which are in the Lake Erie drainage basin, must by law have phosphorus removal programs operating by December 31, 1973. For the Lake Ontario drainage basin, the deadline is December 31, 1975 (224). It appears that the chemicals most commonly used will be calcium oxide or hydroxide, aluminum sulphate and ferric chloride. One of these chemicals will be added at the primary or secondary stage of treatment. There appears to be little, if any, information published on the use of sludges resulting from this treatment

on land. There is some information, however, on the effect of lime additions to sludge for conditioning prior to de-watering and filtering on the properties of the sludge resulting. Pearse et al (280) mentioned some limited use of this sludge on land. There is a large amount of information on the application of lime to soils and the resulting effects on nutrient availability.

Limed Sludge

It has been suggested that limed sludge from nutrient removal programs may contain as high as 50 percent of the total solids as calcium carbonate equivalent (20 percent calcium). At this concentration, each ton of sludge added to the soil would be approximately equivalent in terms of raising soil pH to adding half a ton of agricultural lime. Unlimed sludge is usually considered to have some acidifying effect (454).

Black and Lewandowski (46) reported an average pH value of 9.2 in the primary effluent and 7.8 in the aeration tanks, when lime was added for nutrient removal. The pH of the resulting digested sludge is believed to be in the range of 7.2 to 8.4.

Although lime treatment increases the amount of phosphorus (46) and probably the amount of heavy metals (379), (381), (476), (478) going into the sludge from a given volume of sewage, it also tends to increase the volume of sludge and sludge solids (224). Thus it is not clear what happens to the concentration of these elements in the sludge. One would expect that the high pH values attained would result in loss of ammonia to the air in the primary and aeration stages. There is evidence that this does occur resulting in less ammonium nitrogen in the effluent (46) and probably also a lower ammonium nitrogen content in the sludge. Some ammonia might also be lost with gases drawn off during digestion. Thus one would predict a lower ammonium nitrogen percentage in limed sludge.

The phosphorus and heavy metals in limed sludge would be expected to be less soluble than those in unlimed sludge. The application of the limed sludge to acid soils would decrease the availability of heavy metals and boron as this occurs when lime is applied. If the addition of sludge raised the pH of an acid soil to pH 6.5, phosphorus

availability would probably increase. Higher pH values would be expected to reduce the availability of phosphorus. On soils with a pH value above 7.0, little soil pH change would be expected on the addition of limed sludge. In this situation, the concentration and availability of the heavy metals and phosphorus in the sludge relative to availability in the soil before sludge application would probably determine whether availability of these elements increased or decreased after addition of sludge. This would be further influenced by the addition of organic matter in the sludge and its decomposition. In such a complex situation, the answer might vary depending on the soil and sludge. At high rates of sludge application, limed sludge could have advantages as one would probably want to keep the phosphorus and heavy metals as unavailable as possible because of the danger of groundwater pollution and metal toxicities.

Doyle (101) found that if raw sludge was limed to pH 12 or above, Salmonella typhosa was destroyed and Rudolfs et al (479) found that lime additions hastened the death of hookworm larvae, the extent of this effect depending on the pH. Liming will convert ammonium to free ammonia in sewage and sludge and free ammonia is toxic to most, if not all, living cells. Whether the free ammonia will remain long enough in the sludge to produce a sterilizing effect or simply volatilize more rapidly is unknown.

Iron and Alum Sludges

Aluminum sulphate and ferric chloride are both known to precipitate phosphorus and are likely to precipitate heavy metals as well. Stones has demonstrated the capacity of aluminum sulphate to precipitate metals (379, 381, 476) and one would expect that sludge treated with aluminum or iron would also make phosphorus and heavy metals less soluble in soils. This would depend on whether there was unreacted aluminum or iron in the sludge and would also be affected by the organic matter added.

Soluble iron and aluminum are toxic to plants, but both react rapidly to form insoluble compounds in the soil at pH values of 6.5 or above. Where lime and aluminum sludges are applied, it may be necessary to lime the soils occasionally to counteract the acidifying effect and resulting toxicities of heavy metals added in the sludge.

In a complex biological system, such as plant growth in soils fertilized with something as variable as sewage sludge, predictions of what will happen are likely to be very inaccurate. The comments presented on lime, iron and aluminium sludges should therefore be treated with considerable caution. Research in this area is urgently needed.

TIME AND METHOD OF SLUDGE APPLICATION

The time and method of sludge application appears to have received little scientific investigation, although there is a large body of practical experience.

Fluid sludge when applied to the soil flows readily and one would expect it to reach adjacent streams if heavy rains occurred immediately after application. Even after drying, there appears to be some danger of sludge floating off the fields in flash floods if it is left on the soil surface of sloping land. In Ontario, sludge is applied on the snow in winter, but there appears to be no information available on the pollution hazard resulting. There is concern about winter application of animal manure and perhaps information gained on the one type of waste can be applied to the other.

In Eastern North America, there are times each year when farm fields are too wet to bear heavy trucks without damaging soil structure or growing crops. The English practice of applying sludge from a truck through a large sprinkler (Olds 290) might be quite useful in such cases although the application of sludge on the leaves of growing crops is apparently unsatisfactory.

Because of the reactions of nutrients, heavy metals, and pathogenic organisms in sludge with soils, one would expect large differences in the effect on plant growth and persistence of pathogens depending on whether sludge is left on the soil surface or turned under. Little information on this type of comparison was found in the literature.

Information is urgently needed on methods of sludge application because of the danger of surface water pollution with organic materials, nutrients, heavy metals and disease organisms. It would be tragic if, after great expense to remove these pollutants from our effluent waters in order to protect our streams, we were to apply the sludge carelessly and re-pollute the water which we are striving to protect.

LAND DISPOSAL OF SEWAGE SLUDGE

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PART II - Section B

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An Alphabetic "Key Word" Listing of References

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ABWASSERSCHLÄMMEN	VERSUCHSERGEBNISSE ÜBER DIE BODENBEHANDLUNG VON ABWASSERSCHLÄMMEN DER CHEMISCHEN INDUSTRIE (EXPERIMENTAL RESULTS ON THE LAND TREATMENT OF SEWAGE SLUDGES FROM CHEMICAL INDUSTRIES).	CA20NLR -7280217- -
ABWASSERSCHLAMMVERWERTUNG	ZUR PROBLEMATIK DER ABWASSERSCHLAMMVERWERTUNG IM LANDBAU (THE PROBLEMS OF THE UTILIZATION OF SEWAGE SLUDGE IN AGRICULTURE).	CA20NLR -7280180- -
ABWASSERSCHLAMMVERWERTUNG	SCHLUSSEFOLGERUNGEN AUS DEN ERGEBNISSEN DER BEITRÄGE DES SCHWERPUNKTHEFTES ABWASSERSCHLAMMVERWERTUNG ZUR RÜCKFÜHRUNG ZU EINER DER KRITISCHEN FRAGEN --NUTZUNG VON SEWAGE SLUDGE).	CA20NLR -7280178- -

ADSORPTION	ABS ADSORPTION ON SOILS.	CA2ONLR -7280376- -
ADSORPTION		
AERATION	ADSORPTION REACTIONS OF MICRONUTRIENTS IN SOILS. *COPPER*ZINC*BORON*MOLYBDENUM*IRON*MANGANESE*	CA2ONLR -7280492- -
AERATION	EFFECT OF ADDITION OF COPPER, MANGANESE, ZINC, AND CHROMIUM COMPOUNDS ON AMMONIFICATION AND NITRIFICATION DURING INCUBATION OF SOIL. *TOXIC*AERATION*	CA2ONLR -7280037- -
AERATION	THE EFFECT OF FLOODING AND AERATION ON THE MOBILITY OF CERTAIN TRACE ELEMENTS IN SOILS. *LEAD*COPPER*NICKEL*ZINC*COBALT*MANGANESE*CHROMIUM*OXIDATION*REOXIDATION*VANADIUM*MOLYBDENUM*	CA2ONLR -7280134- -
AERATION		
AEROBIC	AERATION-INDUCED CHANGES IN LIQUID SEWAGE SLUDGE.	CA2ONLR -7280310- -
AEROBIC	AEROBIC HETEROTROPHIC BACTERIAL POPULATIONS OF SEWAGE AND ACTIVATED SLUDGE. II. METHOD OF CHARACTERIZATION OF ACTIVATED SLUDGE BACTERIA.	CA2ONLR -7280271- -
AEROBIC	AEROBIC HETEROTROPHIC BACTERIAL POPULATIONS OF SEWAGE AND ACTIVATED SLUDGE. V. ANALYSIS OF POPULATION STRUCTURE AND ACTIVITY.	CA2ONLR -7280273- -
AEROBIC	AEROBIC HETEROTROPHIC BACTERIAL POPULATIONS OF SEWAGE AND ACTIVATED SLUDGE. I. ENUMERATION.	CA2ONLR -7280272- -
AEROBIC	AEROBIC HETEROTROPHIC BACTERIAL POPULATIONS OF SEWAGE AND ACTIVATED SLUDGES.	CA2ONLR -7280274- -
AEROBIC	AEROBIC HETEROTROPHIC BACTERIAL POPULATIONS OF SEWAGE AND ACTIVATED SLUDGE. III. ADAPTATION IN A SYNTHETIC MEDIUM.	CA2ONLR -7280270- -
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AEROBIC	SLUDGE DISPOSAL - AEROBIC AND ANAEROBIC DIGESTION - BASIC CONCEPTS.	CA2ONLR -7280076- -
AEROBIC	DIRECT-ISOLATION STUDIES ON AEROBIC AND FACULTATIVE ANAEROBIC BACTERIAL FLORA OF ANAEROBIC DIGESTERS RECEIVING RAW SEWAGE SLUDGE. *COLIFORM*BACILLUS*PSEUDOMONAS*MICROCOCCUS*	CA2ONLR -7280465- -
AEROBIC	ENRICHMENT CULTURE STUDIES ON AEROBIC AND FACULTATIVE ANAEROBIC BACTERIA FOUND IN ANAEROBIC DIGESTERS. *BACILLUS*COLIFORM*PSEUDOMONAS*	CA2ONLR -7280466- -
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AFRICA	VIRUS STUDIES ON THE WINHOK WASTEWATER RECLAMATION PLANT (SOUTHWEST AFRICA). *ENTEROVIRUS*REOVIRUS*ECHOVIRUS*COLIFORM*BACTERIA*	CA2ONLR -7280294- -
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AGROMELIORATIVE	CHANGES OF AGROCHEMICAL AND BIOLOGICAL SOIL PROPERTIES WHEN IRRIGATION WITH SEWAGE IS USED.	CA2ONLR -7280232- -
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AMMONIUM	THE EFFECT OF SEWAGE SLUDGE ON SOILS AND MICRO-ORGANISMS. *AZOTOBACTER*NITRATE*AMMONIUM*COLIFORM*BACTERIA*	CA2ONLR -7280143- -
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ANAEROBIC	ANAEROBIC DIGESTION I. THE MICROBIOLOGY OF ANAEROBIC DIGESTION. *BACTERIA*FUNGI*SLUDGE*REVIEW*	CA2ONLR -7280513- -
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ANAEROBIC	DIRECT-ISOLATION STUDIES ON AEROBIC AND FACULTATIVE ANAEROBIC BACTERIAL FLORA OF ANAEROBIC DIGESTERS RECEIVING PAW SEWAGE SLUDGE. *COLIFORM*BACILLUS*PSEUDOMONAS*MICROCOCCUS*	CA20NLR -7280465- -
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ANIMAL	LITERATURE REVIEW ON THE OCCURRENCE AND SURVIVAL OF ENTERIC, PATHOGENIC, AND RELATED ORGANISMS IN SOIL, WATER, SEWAGE, AND SLUDGES, AND ON VEGETATION. II. ANIMAL PARASITES. *ENDAMOEBIA*HELMINTHS*ASCARIS*	CA20NLR -7280479- -
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BACTERIA	PATHOGEN SURVIVAL IN COMPOSTING MUNICIPAL WASTES. *SALMONELLA*COLIFORM*SHIGELLA*BACTERIA*ASCARIS*ENDAMOEBAS*	CA20NLR -7280418- -
BACTERIA	STATE OF THE DEHYDROGENASE ACTIVITY OF AQUATIC BACTERIA, THEIR GROWTH, AND R.O.D. UNDER CONDITIONS INVOLVING THE ACTION OF INORGANIC MATTER CONTAINED IN INDUSTRIAL WASTE WATERS. *CADMIUM*COPPER*COBALT*NICKEL*ZINC*	CA20NLR -7280410- -
BACTERIA	LAND TREATMENT OF SEWAGE. *BACTERIA*	CA20NLR -7280359- -
BACTERIA	INVESTIGATIONS ON THE SPREAD OF BACTERIA CAUSED BY IRRIGATION WITH WASTE WATER. *VEGETABLES*COLIFORM*SALMONELLA*	CA20NLR -7280358- -
BACTERIA	FACTORS INFLUENCING THE DESIGN AND OPERATION OF SOIL SYSTEMS FOR WASTE TREATMENT. *LEACHING*NITRATE*NITRITE*AMMONIUM*ABS*COLIFORM*BACTERIA*COD*ROD*	CA20NLR -7280356- -
BACTERIA	CALIFORNIA REGULATES USE OF SEWAGE FOR CROP IRRIGATION. *VEGETABLES*FRUIT*FORAGE*GRAIN*CORN*BACTERIA*	CA20NLR -7280360- -
BACTERIA	TRANSPORTING WASTES TO BUILD SOILS. *BACTERIA*COLIFORM*SALMONELLA*SHIGELLA*PENNSYLVANIA*	CA20NLR -7280137- -
BACTERIA	FINAL REPORT ON FIELD INVESTIGATION AND RESEARCH ON WASTE WATER RECLAMATION AND UTILIZATION IN RELATION TO UNDERGROUND WATER POLLUTION. *BACTERIA*	CA20NLR -7280141- -
BACTERIA	TEXAS APPROVES IRRIGATION OF ANIMAL CROPS WITH SEWAGE PLANT EFFLUENTS. *BACTERIA*HELMINTHS*AMOEBA*ASCARIS*SLUDGE*	CA20NLR -7280163- -
BACTERIA	THE EFFECT OF SEWAGE SLUDGE ON SOILS AND MICRO-ORGANISMS. *AZOTOBACTER*NITRATE*AMMONIUM*COLIFORM*BACTERIA*	CA20NLP -7280143- -
BACTERIA	SOLID WASTE/DISEASE RELATIONSHIPS, A LITERATURE SURVEY. *BACTERIA*PROTOZOA*VIRUS*FUNGUS*HELMINTHS*	CA20NLP -7280189- -

ALUM	PHOSPHATE REMOVAL FROM MUNICIPAL SEWAGE. *ACTIVATED*SLUDGE*ALUM*	CA2ONLR -7280228- -
ALUM	THE FATE OF NICKEL DURING THE TREATMENT OF SEWAGE. *SLUDGE*LIME*ALUM*	CA2ONLR -7280380- -
ALUM	THE FATE OF LEAD DURING TREATMENT OF SEWAGE. *SLUDGE*LIME*ALUM*	CA2ONLR -7280381- -
ALUM	THE FATE OF COPPER DURING TREATMENT OF SEWAGE. *SLUDGE*LIME*ALUM*	CA2ONLR -7280379- -
ALUM	DISPOSAL OF DEWATERED FRESH SEWAGE SLUDGE. COLIFORM* <i>SALMONELLA</i> *BACTERIA*LIME*ALUM*PH*	CA2ONLR -7280458- -
ALUM	A REVIEW OF THE 1969 LITERATURE ON WASTEWATER AND WATER POLLUTION CONTROL. *REVIEW*SLUDGE*LAND*PHOSPHORUS*LIME*ALUM*ANALYTICAL*	CA2ONLR -7280523- -
ALUM	RESEARCH NEEDS FOR ADVANCED WASTE TREATMENT. *PHOSPHORUS*ALUM*IRON*	CA2ONLR -7280531- -
ALUMINATE	PHOSPHORUS REMOVAL FROM WASTE WATER BY DIRECT DOSING OF ALUMINATE TO A TRICKLING FILTER.	CA2ONLR -7280207- -
ALUMINIUM	THE OCCURRENCE OF COPPER IN WATER, SEWAGE, AND SLUDGE AND ITS EFFECT ON SLUDGE DIGESTION. *TOXIC*CALCIUM*MAGNESIUM*PHOSPHORUS*MANGANESE*IRON*ALUMINIUM*ZINC*BORON*NICKEL*CHROMIUM*CADMIUM*	CA2ONLR -7280231- -
ALUMINUM	FERTILIZER AND FERTILITY VALUE OF SEWAGE SLUDGE. *NITROGEN*PHOSPHORUS*POTASSIUM*ALUMINUM*CALCIUM*MAGNESIUM*MANGANESE*SODIUM*TITANIUM*COPPER*BARIUM*ZINC*LEAD*NICKEL*COBALT*SULFUR*CHROMIUM*ARSENIC*BORON*IODINE*GREASE*LEAD*	CA2ONLR -7280522- -
ALUMINUM	HEAVY METAL CONTAMINATION OF SOILS. *SEWAGE*SLUDGE*COPPER*ZINC*MANGANESE*NICKEL*ALUMINUM*MERCURY*CADMIUM*LEAD*REVIEW*	CA2ONLR -7280535- -
ALUMINUM	SPECTROGRAPHIC ANALYSIS OF AIR-DRIED SEWAGE SLUDGE. *ALUMINUM*CALCIUM*IRON*MAGNESIUM*TITANIUM*BARIUM*COPPER*MANGANESE*SODIUM*NICKEL*TIN*VANADIUM*ZINC*SILVER*ZIRCONIUM*BORON*BERYLLIUM*CHROMIUM*COBALT*GALLIUM*MOLYBDENUM*	CA2ONLR -7280469- -
ALUMINUM	DISPOSAL OF MUNICIPAL WASTE WATER THROUGH FOREST IRRIGATION. *PENNSYLVANIA*NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*MAGNESIUM*MANGANESE*IRON*COPPER*BORON*ALUMINUM*ZINC*SODIUM*SEWAGE*	CA2ONLR -7280502- -
ALUMINUM	SEWAGE SLUDGE AS FERTILIZER. *NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*LEAD*MAGNESIUM*COPPER*IRON*ALUMINUM*ZINC*ARSENIC*BARIUM*SULFUR*MANGANESE*BISMUTH CHLORINE*TOLEDO*	CA2ONLR -7280299- -
ALUMINUM	EFFECT OF ALUMINUM AND MANGANESE ON SEED GERMINATION AND SEEDLING GROWTH OF DIFFERENT TYPES OF TREES.	CA2ONLR -7280301- -
ALUMINUM	LEVEL OF TRACE ELEMENTS (NICKEL, COBALT, AND COPPER) IN PLANTS GROWING IN SLURRY FIELDS OF ALUMINUM PRODUCTION	CA2ONLR -7280104- -
AMENDMENT	REFUSE-SEWAGE COMPOST AS SOIL AMENDMENT AND FERTILIZER.	CA2ONLR -7280378- -
AMENDMENTS	EFFECTS OF ORGANIC AMENDMENTS ON MANGANESE TOXICITY IN POTATOES AS MEASURED BY SAND AND SOIL CULTURE STUDIES.	CA2ONLR -7280015- -
AMMONIA	TREATMENT OF SUPERNATANTS AND LIQUIDS ASSOCIATED WITH SLUDGE TREATMENT. *AMMONIA*PH* <i>B.O.D.</i> *C.O.D.*NITROGEN*	CA2ONLR -7280122- -
AMMONIA	THE EFFECT OF SEWAGE SLUDGE, COMPOSTED REFUSE AND AMMONIA LIQUOR ON CABBAGE YIELDS.	CA2ONLR -7280040- -
AMMONIA	TOXIC EFFECTS OF AMMONIA NITROGEN ON HIGH RATE DIGESTION. DISCUSSION.	CA2ONLR -7280308- -
AMMONIA	AGRICULTURAL APPLICATION OF DIGESTED SEWAGE SLUDGE. *TOXIC*ZINC*COLIFORM*AMMONIA TOXICITY*	CA2ONLR -7280542- -
AMMONIA	TOXIC EFFECTS OF AMMONIA NITROGEN IN HIGH-RATE DIGESTION.	CA2ONLR -7280227- -
AMMONIA	THE EFFECT OF LIQUID SLUDGE ON GROWTH AND CHEMICAL COMPOSITION OF COASTAL BERMUDAGRASS AND RYE AND ON SOIL PROPERTIES, AMMONIA VOLATILIZATION, AND NITRATE LEACHING.	CA2ONLR -7280171- -
AMMONIFICATION	EFFECT OF ADDITION OF COPPER, MANGANESE, ZINC, AND CHROMIUM COMPOUNDS ON AMMONIFICATION AND NITRIFICATION DURING INCUBATION OF SOIL. *TOXIC*AFRATON*	CA2ONLR -7280037- -
AMMONIUM	SOME CHANGES IN POLLUTED WATER DURING PERCOLATION THROUGH SOIL. *COPPER*NICKEL*CHROMIUM*MANGANESE*ZINC*LEAD*IRON*AMMONIUM*	CA2ONLR -7280034- -

	BETRIEBSWIRTSCHAFTLICHE ERGEBNISSE DES STÄDTISCHEN GUTES DIETERSHEIM MIT DER UMSTELLUNG AUF ABWASSERSCHLAMMVERWERTUNG (RESULTS OF THE FARM MANAGEMENT OF THE MUNICIPAL FARM AT DIETERSHEIM AFTER THE ADAPTION TO THE UTI	CA20NLR -7280133- -
ABWASSERVERWERTUNG	FORSTLICHE ABWASSERVERWERTUNG--EIN FAKTOR FÜR DIE GANZJÄHRIGE ABWASSERLANDBEHANDLUNG (SEWAGE DISPOSAL IN FORESTRY--A FACTOR IN YEAR-ROUND DISPOSAL BY LAND TREATMENT). *POLAND*B.O.D.*IRRIGATION*	CA20NLR -7280103- -
ABWASSERVERWERTUNGSGEBIETEN	BODENHYGIENISCHE UNTERSUCHUNGEN IN ABWASSERVERWERTUNGSGEBIETEN (SOIL-HYGIENIC STUDIES IN SEWAGE-DISPOSAL AREAS).	CA20NLR -7280309- -
ACID	BACTERIAL NATURE OF ACID-FORMING PHASE OF ANAEROBIC DIGESTION. *DNA*	CA20NLR -7280463- -
ACIDIFICATION	ACIDIFICATION OF A RAW SEWAGE SLUDGE. *FILTRATION*	CA20NLR -7280155- -
ACIDS	ELECTRODE POTENTIALS DEVELOPED DURING SLUDGE DIGESTION. *METHANE*PH*VOLATILE ACIDS*	CA20NLR -7280548- -
ACTIVATED	FURTHER INVESTIGATIONS OF THE VALUE AND UTILIZATION OF ACTIVATED SLUDGE AS A FERTILIZER MATERIAL.	CA20NLR -7280538- -
ACTIVATED	ACTIVATED SLUDGE: A NEW SOURCE OF ORGANIC NITROGEN.	CA20NLR -7280526- -
ACTIVATED	ECOLOGY OF ACTIVATED SLUDGE AND BACTERIA BEDS. *FUNGI*	CA20NLR -7280543- -
ACTIVATED	PROTOZOA AND ACTIVATED SLUDGE.	CA20NLR -7280532- -
ACTIVATED	LAND DISPOSAL OF ACTIVATED SLUDGE AT SAN MARCOS, TEXAS. *RIDGE-FURROW*	CA20NLR -7280546- -
ACTIVATED	PROTOZOA IN BIOLOGICAL SEWAGE-TREATMENT PROCESSES. I. A SURVEY OF THE PROTOZOAN FAUNA OF BRITISH PERCOLATING FILTERS AND ACTIVATED SLUDGE PLANTS. *AMOEBA*FLAGELLATES*CILIATES*	CA20NLR -7280551- -
ACTIVATED	ACTIVATED SLUDGE A SATISFACTORY FERTILIZER.	CA20NLR -7280565- -
ACTIVATED	REMOVAL OF ENTERIC VIRUSES FROM SEWAGE BY ACTIVATED SLUDGE TREATMENT. *POLIOVIRUS*COXSACKIE*COLIFORM*BACTERIA*STREPTOCOCCI*	CA20NLR -7280561- -
ACTIVATED	RESPIRATORY RELATIONS OF A SYMBIOTIC ALGAL-BACTERIAL CULTURE FOR WASTE WATER NUTRIENT REMOVAL. *ACTIVATED*SLUDGE*CHLORELLA*SEWAGE*TREATMENT*	CA20NLR -7280175- -
ACTIVATED	CATTLESKIN TANNERY WASTE TREATMENT IN A COMPLETELY MIXED ACTIVATED SLUDGE PILOT PLANT. *CHROMIUM*REMOVAL*	CA20NLR -7280184- -
ACTIVATED	PHOSPHATE REMOVAL FROM MUNICIPAL SEWAGE. *ACTIVATED*SLUDGE*ALUM*	CA20NLR -7280228- -
ACTIVATED	SEQUENTIAL SUBSTRATE REMOVAL BY ACTIVATED SLUDGE AFTER A CHANGE IN SALT CONCENTRATION.	CA20NLR -7280214- -
ACTIVATED	SOME EFFECTS OF HIGH SALT CONCENTRATIONS ON ACTIVATED SLUDGE.	CA20NLR -7280213- -
ACTIVATED	REMOVAL OF ENTEROVIRUSES FROM SEWAGE BY ACTIVATED SLUDGE. *POLIO*VIRUS*COXSACKIE*BACTERIOPHAGE*	CA20NLR -7280489- -
ACTIVATED	ACTIVATED SLUDGE AS A FERTILIZER FOR COTTON AND CORN.	CA20NLR -7280482- -
ACTIVATED	THE COMPOSITION AND FERTILIZING VALUE OF SEWAGE SLUDGE. *NITROGEN*PHOSPHORUS*POTASSIUM*DIGESTED*ACTIVATED*NITRIFICATION.	CA20NLR -7280490- -
ACTIVATED	PHOSPHATE REMOVAL BY ACTIVATED SLUDGE. *DIGESTION*POD*	CA20NLR -7280412- -
ACTIVATED	MICROBIAL RELEASE OF SOLUBLE PHOSPHATE IN AN ACTIVATED SLUDGE ENVIRONMENT. *TOXIC*ALCOHOL*SULPHATE*SALT*	CA20NLR -7280366- -
ACTIVATED	THE EFFECT OF COMPOSTED TOWN REFUSE AND ACTIVATED SLUDGE ON PLANTS AND SOILS.	CA20NLR -7280395- -
ACTIVATED	AEROBIC HETEROTROPHIC BACTERIAL POPULATIONS OF SEWAGE AND ACTIVATED SLUDGES.	CA20NLR -7280274- -
ACTIVATED	AEROBIC HETEROTROPHIC BACTERIAL POPULATIONS OF SEWAGE AND ACTIVATED SLUDGE. V. ANALYSIS OF POPULATION STRUCTURE AND ACTIVITY.	CA20NLR -7280273- -

ACTIVATED	AEROBIC HETEROTROPHIC BACTERIAL POPULATIONS OF SEWAGE AND ACTIVATED SLUDGE. III. ADAPTATION IN A SYNTHETIC WAS TE.	CA2ONLR -7280270- -
ACTIVATED	AEROBIC HETEROTROPHIC BACTERIAL POPULATIONS OF SEWAGE AND ACTIVATED SLUDGE. I. ENUMERATION.	CA2ONLR -7280272- -
ACTIVATED	AEROBIC HETEROTROPHIC BACTERIAL POPULATIONS OF SEWAGE AND ACTIVATED SLUDGE. II. METHOD OF CHARACTERIZATION OF ACTIVATED SLUDGE BACTERIA.	CA2ONLR -7280271- -
ACTIVATED	AEROBIC HETEROTROPHIC BACTERIAL POPULATIONS OF SEWAGE AND ACTIVATED SLUDGE. II. METHOD OF CHARACTERIZATION OF ACTIVATED SLUDGE BACTERIA.	CA2ONLR -7280271- -
ACTIVATED	CONVERSION TO ACTIVATED SLUDGE AT UNION CARBIDES INSTITUTE PLANT.	CA2ONLR -7280260- -
ACTIVATED	ANAEROBIC ACTIVATED SLUDGE.	CA2ONLR -7280098- -
ACTIVATED	PROTOZOA IN BIOLOGICAL SEWAGE-TREATMENT PROCESSES. II. PROTOZOA AS INDICATORS IN THE ACTIVATED SLUDGE PROCESS. *CILIATE*HOLOTRICH*PERITRICH*HYPOTRICH*	CA2ONLR -7280100- -
ACTIVATED	FACTS DETERMINING TOXICITY OF COPPER IN THE FIELD OF BIOLOGICAL SEWAGE TREATMENT-ESPECIALLY IN THE FIELD OF ACT IVATED SLUDGE PROCESS.	CA2ONLR -7280125- -
ACTIVATED	TRANSIENT LOADING EFFECTS IN ACTIVATED SLUDGE PROCESS.	CA2ONLR -7280115- -
ACTIVATED	AGRICULTURAL VALUE OF SEWAGE SLUDGE. *DIGESTED*ACTIVATED*NITROGEN*PHOSPHORUS*POTASSIUM*NITRIFICATION*	CA2ONLR -7280052- -
ACTIVATED	COMPARATIVE ANALYSIS OF SEWAGE SLUDGE. *NITROGEN*PHOSPHORUS*COPPER*ZINC*BORON*MANGANESE*MOLYBDENUM*NITRIFICATI ON*ACTIVATED*DIGESTED*	CA2ONLR -7280072- -
ACTIVATED	SEWAGE SLUDGE FOR SOIL IMPROVEMENT. *PREVIEW*NITRIFICATION*FERTILIZER*ACTIVATED*DIGESTED*NITROGEN*PHOSPHORUS*PO TASSIUM*	CA2ONLR -7280071- -
ACTIVATED	ADAPTABILITY OF SEWAGE SLUDGE AS A FERTILIZER. *ACTIVATED*DIGESTED*MANURE*CONDITIONER*NITROGEN*PHOSPHORUS*POTA SIUM*	CA2ONLR -7280087- -
ACTIVATED	RHEOLOGY OF ACTIVATED SLUDGE.	CA2ONLR -7280085- -
ACTIVATED	USE OF ACTIVATED SLUDGE AS A FERTILIZER.	CA2ONLR -7280055- -
ACTIVATED	PHOSPHORUS REMOVAL BY LIME ADDITION TO A CONVENTIONAL ACTIVATED SLUDGE PLANT. *	CA2ONLR -7280046- -
ACTIVATED	AN ECOLOGICAL STUDY OF CILIATED PROTOZOA IN ACTIVATED SLUDGE. *FLAGELLATES*CILIATES*HYPOTRICHS*PERITRICHS*	CA2ONLR -7280001- -
ACTIVATED	COMPOSITION AND NITRIFICATION CHARACTERISTICS OF SOME SEWAGE AND INDUSTRIAL SLUDGES. *ACTIVATED*DIGESTED*NITRO GEN*PHOSPHORUS*POTASSIUM*CALCIUM*MAGNESIUM*COPPER*BORON*MANGANESE*MOLYBDENUM*ZINC* SULFUR*PH*	CA2ONLR -7280011- -
ACUS	NOTES ON EUGLENA ACUS EHRENBERG FROM SEWAGE TREATMENT PONDS.	CA2ONLR -7280157- -
ADAPTABILITY	ADAPTABILITY OF SEWAGE SLUDGE AS A FERTILIZER. *ACTIVATED*DIGESTED*MANURE*CONDITIONER*NITROGEN*PHOSPHORUS*POTA SIUM*	CA2ONLR -7280087- -
ADAPTATION	AEROBIC HETEROTROPHIC BACTERIAL POPULATIONS OF SEWAGE AND ACTIVATED SLUDGE. III. ADAPTATION IN A SYNTHETIC WAS TE.	CA2ONLR -7280270- -
ADAPTION	BETRIEBSWIRTSCHAFTLICHE ERGEBNISSE DES STADTISCHEN GUTES DIETERSHEIM MIT DER UMSTELLUNG AUF ABWASSERSCHLAMMVER WERTUNG (RESULTS OF THE FARM MANAGEMENT OF THE MUNICIPAL FARM AT DIETERSHEIM AFTER THE ADAPTION TO THE UTI	CA2ONLR -7280133- -
ADENOVIRUS	VIRUS CONTROL AT THE SANTEE, CALIF. PROJECT. *COLIFORM*STREPTOCOCCI*BACTERIA*SEWAGE*EFFLUENT*RECREATION*REFOVIR US*POLIOVIRUS*ECHOVIRUS*ADENOVIRUS*	CA2ONLR -7280070- -
ADSORBED	EFFECT OF DIFFERENT LEVELS OF COPPER AND ZINC ADDED AS ADSORBED CATIONS OF SOIL.	CA2ONLR -7280566- -

BACTERIAL	DIRECT-ISOLATION STUDIES ON AEROBIC AND FACULTATIVE ANAEROBIC BACTERIAL FLORA OF ANAEROBIC DIGESTERS RECEIVING RAW SEWAGE SLUDGE. *COLIFORM* <i>BACILLUS</i> * <i>PSEUDOMONAS</i> * <i>MICROCOCCUS</i> *	CA20NLR -7280465- -
BACTERIAL	LITERATURE REVIEW ON THE OCCURRENCE AND SURVIVAL OF ENTERIC, PATHOGENIC, AND RELATIVE ORGANISMS IN SOIL, WATER, SEWAGE AND SLUDGES, AND ON VEGETATION. I. BACTERIAL AND VIRUS DISEASES. *COLIFORM* <i>TYPHOSA</i> * <i>TUBERCULOSIS</i> *	CA20NLR -7280480- -
BACTERIAL	BACTERIAL NATURE OF ACID-FORMING PHASE OF ANAEROBIC DIGESTION. *DNA*	CA20NLR -7280463- -
BACTERIOLOGICAL	BACTERIOLOGICAL STUDY OF IRRIGATED VEGETABLES. *COLIFORM* <i>SALMONELLA</i> * <i>ENTEROCOCCI</i> *	CA20NLR -7280297- -
BACTERIOPHAGE	REMOVAL OF ENTEROVIRUSES FROM SEWAGE BY ACTIVATED SLUDGE. *POLIO* <i>VIRUS</i> * <i>COXSACKIE</i> * <i>BACTERIOPHAGE</i> *	CA20NLR -7280489- -
BADANIA	WSTEPNE BADANIA MOZLIWOSCZ ZASTOSOWANIA ODPADOW KOPALNIANYCH GWYCH DO UZYZNANIA GLEE PIASKOWYCH.II. WPLYW ODPADOW NA WZROST I PLOWNIANIE ROSLIN W WARUNKACH POLOWYCH (PRELIMINARY INVESTIGATIONS ON THE POSSI	CA20NLR -7280302- -
BANKS	SEWAGE EFFLUENT AND SLUDGE MAKE POSSIBLE REVEGETATION OF STRIP MINE SPOIL BANKS.	CA20NLR -7280401- -
BARIUM	SPECTROGRAPHIC ANALYSIS OF AIR-DRIED SEWAGE SLUDGE. *ALUMINUM* <i>CALCIUM</i> * <i>IRON</i> * <i>MAGNESIUM</i> * <i>TITANIUM</i> * <i>BARIUM</i> * <i>COPPER</i> * <i>MANGANESE</i> * <i>SODIUM</i> * <i>NICKEL</i> * <i>TIN</i> * <i>VANADIUM</i> * <i>ZINC</i> * <i>SILVER</i> * <i>ZIRCONIUM</i> * <i>BORON</i> * <i>BERYLLIUM</i> * <i>CHROMIUM</i> * <i>COBALT</i> * <i>GALLIUM</i> * <i>MOLYBDENUM</i> *	CA20NLR -7280299- -
BARIUM	SEWAGE SLUDGE AS FERTILIZER. *NITROGEN* <i>PHOSPHORUS</i> * <i>POTASSIUM</i> * <i>CALCIUM</i> * <i>LEAD</i> * <i>MAGNESIUM</i> * <i>COPPER</i> * <i>IRON</i> * <i>ALUMINUM</i> * <i>ZINC</i> * <i>ARSENIC</i> * <i>BARIUM</i> * <i>SULFUR</i> * <i>MANGANESE</i> * <i>BISMUTH</i> * <i>CHLORINE</i> * <i>TOLEDO</i> *	CA20NLR -7280522- -
BARIUM	FERTILIZER AND FERTILITY VALUE OF SEWAGE SLUDGE. *NITROGEN* <i>PHOSPHORUS</i> * <i>POTASSIUM</i> * <i>ALUMINUM</i> * <i>CALCIUM</i> * <i>MAGNESIUM</i> * <i>MANGANESE</i> * <i>SODIUM</i> * <i>TITANIUM</i> * <i>COPPER</i> * <i>BARIUM</i> * <i>ZINC</i> * <i>LEAD</i> * <i>NICKEL</i> * <i>COBALT</i> * <i>SULFUR</i> * <i>CHROMIUM</i> * <i>ARSENIC</i> * <i>BORON</i> * <i>IODINE</i> * <i>GREASE</i> * <i>LEAD</i> *	CA20NLR -7280078- -
BARK	COMPOSTING TREE BARK WITH SEWAGE.	CA20NLR -7280092- -
BARLEY	EFFECT OF CITY SEWAGE EFFLUENT ON THE YIELD AND QUALITY OF GRAIN FROM BARLEY, OATS, AND WHEAT.	CA20NLR -7280094- -
BARLEY	EFFECTS OF CITY SEWAGE EFFLUENT ON GRAIN YIELD AND GRAIN MALT QUALITY OF FALL-SOWN, IRRIGATED BARLEY.	CA20NLR -7280008- -
BARLEY	VALUE OF LIQUID DIGESTED SEWAGE SLUDGE .3. RESULTS OF AN EXPERIMENT ON BARLEY.	CA20NLR -7280226- -
BARLEY	UTILIZATION OF LIQUID SLUDGE. *FERTILIZER* <i>BARLEY</i> * <i>NITROGEN</i> * <i>SAN DIEGO</i> *	CA20NLR -7280013- -
BEANS	CHANGES IN THE ZINC DISTRIBUTION WITHIN THREE SOILS AND ZINC UPTAKE BY FIELD BEANS CAUSED BY DECOMPOSING ORGANIC MATTER.	CA20NLR -7280471- -
BEANS	SOME EFFECTS OF NITROGEN SOURCE ON BEANS AND PEPPERS GROWING IN ROOT-KNOT-INFESTED SOIL. *SLUDGE* <i>NEMATODES</i> *	CA20NLR -7280543- -
BEDS	ECOLOGY OF ACTIVATED SLUDGE AND BACTERIA BEDS. *FUNGI*	CA20NLR -7280004- -
BEEN	FUNGI IN SOILS OVER WHICH DIGESTED SEWAGE SLUDGE HAS BEEN SPREAD.	CA20NLR -7280265- -
BEEN	FUNGI IN SOILS OVER WHICH DIGESTED SEWAGE SLUDGE HAS BEEN SPREAD.	CA20NLR -7280357- -
BEITRAG	EIN BEITRAG ZUR DEN URSACHEN DER RIESELKRAUKHEIT VON BODEN (CAUSES OF SEWAGE SICKNESS IN SOILS). *IRON* <i>ZINC</i> * <i>COPPER</i> * <i>TOXICITY</i> * <i>CYANIDE</i> * <i>LIME</i> * <i>CYANAMIDE</i> *	CA20NLR -7280178- -
BEITRAGE	SCHLUSSEFOLGERUNGEN AUS DEN ERGEBNISSEN DER BEITRAGE DES SCHWERPUNKTHEFTES ABWASSERSCHLAMMVERWERTUNG RIRUTIONS TO THE CRUCIAL ISSUE --USE OF SEWAGE SLUDGE).	CA20NLR -7280183- -
BERLIN	THE PURIFYING EFFECT OF DIFFERENT METHODS OF SEWAGE-WATER TREATMENT IN INVESTIGATIONS OF BERLIN SAND SOIL. *IRRIGATION* <i>SPRINKLER</i> * <i>FLOOD</i> * <i>FURROW</i> * <i>LEACHING</i> * <i>NITROGEN</i> * <i>NITRATE</i> * <i>AMMONIUM</i> * <i>PHOSPHORUS</i> * <i>POTASSIUM</i> * <i>CALCIUM</i> * <i>SODIUM</i> *	CA20NLR -7280437- -
BERLIN	DEVELOPMENT AND PRESENT CONDITION OF SEWAGE TREATMENT AND UTILIZATION IN BERLIN. *IRRIGATION* <i>HYGIENE</i> *	CA20NLR -7280171- -
BERMUDAGRASS	THE EFFECT OF LIQUID SLUDGE ON GROWTH AND CHEMICAL COMPOSITION OF COASTAL BERMUDAGRASS AND RYE AND ON SOIL PROPERTIES, AMMONIA VOLATILIZATION, AND NITRATE LEACHING.	

BACTERIA	A SURVEY OF THE PATHOGENIC ORGANISMS AND HELMINTHIC OVA IN COMPOSTS AND SEWAGE SLUDGE. *COLIFORM*BACTERIA*SALMONELLA*VIRUS*	CA20NLR -7280225- -
BACTERIA	EFFECTS OF HEAVY METAL IONS ON THE GROWTH OF MICROORGANISMS. *ZINC*NICKEL*COBALT*COPPER*BACTERIA*YEASTS*MOLDS*TOXIC*	CA20NLR -7280018- -
BACTERIA	DISINFECTION EFFECTIVENESS OF HEAT DRYING OF SLUDGE. *HYGIENE*COLIFORM*SPORE-FORMING*CLOSTRIDIUM*BACTERIA*ASCARIS*	CA20NLR -7280005- -
BACTERIA	EFFECTIVENESS OF HIGH PH FOR DESTRUCTION OF PATHOGENS IN RAW SLUDGE FILTER CAKE. *BACTERIA*SALMONELLA TYPHOSA*LIME*COLIFORM*	CA20NLR -7280101- -
BACTERIA	SURVIVAL OF PATHOGENS AND RELATED DISEASE HAZARDS. *BACTERIA*SPIROCHETES*PROTOZOA*HELMINTHS*VIRUSES*REVIEW*	CA20NLR -7280107- -
BACTERIA	VIRUS CONTROL AT THE SANTEE, CALIF. PROJECT. *COLIFORM*STREPTOCOCCI*BACTERIA*SEWAGE*EFFLUENT*RECREATION*REOVIRUS*POLIOVIRUS*ECHOVIRUS*ADENOVIRUS*	CA20NLR -7280070- -
BACTERIA	AEROBIC HETEROTROPHIC BACTERIAL POPULATIONS OF SEWAGE AND ACTIVATED SLUDGE. II. METHOD OF CHARACTERIZATION OF ACTIVATED SLUDGE BACTERIA.	CA20NLR -7280271- -
BACTERIA	BODENHYGIENISCHE UNTERSUCHUNGEN IN ABWASSERVERWERTUNGSGEBIETEN (SOIL-HYGIENIC STUDIES IN SEWAGE-DISPOSAL AREAS). *BACTERIA*SALMONELLA*IRRIGATION*	CA20NLR -7280309- -
BACTERIA	VIRUS STUDIES ON THE WINHOEK WASTEWATER RECLAMATION PLANT (SOUTHWEST AFRICA). *ENTEROVIRUS*REOVIRUS*ECHOVIRUS*COLIFORM*BACTERIA*	CA20NLR -7280294- -
BACTERIA	REGULATIONS FOR IRRIGATION AND THE USE OF SEWAGE SLUDGE. *PARASITES*BACTERIA*	CA20NLR -7280550- -
BACTERIA	ECOLOGY OF ACTIVATED SLUDGE AND BACTERIA BEDS. *FUNGI*	CA20NLR -7280543- -
BACTERIA	ISOLATION AND IDENTIFICATION OF ANAEROBIC AND FACULTATIVE BACTERIA PRESENT IN THE DIGESTION PROCESS. *COLIFORM*REDOX*	CA20NLR -7280553- -
BACTERIA	REMOVAL OF ENTERIC VIRUSES FROM SEWAGE BY ACTIVATED SLUDGE TREATMENT. *POLIOVIRUS*COXSACKIE*COLIFORM*BACTERIA*STREPTOCOCCI*	CA20NLR -7280561- -
BACTERIAL	AEROBIC HETEROTROPHIC BACTERIAL POPULATIONS OF SEWAGE AND ACTIVATED SLUDGE. III. ADAPTATION IN A SYNTHETIC MEDIUM.	CA20NLR -7280270- -
BACTERIAL	AEROBIC HETEROTROPHIC BACTERIAL POPULATIONS OF SEWAGE AND ACTIVATED SLUDGE.	CA20NLR -7280274- -
BACTERIAL	AEROBIC HETEROTROPHIC BACTERIAL POPULATIONS OF SEWAGE AND ACTIVATED SLUDGE. I. ENUMERATION.	CA20NLR -7280272- -
BACTERIAL	AEROBIC HETEROTROPHIC BACTERIAL POPULATIONS OF SEWAGE AND ACTIVATED SLUDGE. II. METHOD OF CHARACTERIZATION OF ACTIVATED SLUDGE BACTERIA.	CA20NLR -7280271- -
BACTERIAL	AEROBIC HETEROTROPHIC BACTERIAL POPULATIONS OF SEWAGE AND ACTIVATED SLUDGE. V. ANALYSIS OF POPULATION STRUCTURE AND ACTIVITY.	CA20NLR -7280273- -
BACTERIAL	CONTAMINATION OF VEGETABLES GROWN IN POLLUTED SOIL. IV. BACTERIAL DECONTAMINATION. *COLIFORM*SEWAGE*	CA20NLR -7280346- -
BACTERIAL	CONTAMINATION OF VEGETABLES GROWN IN POLLUTED SOIL: I. BACTERIAL CONTAMINATION. *COLIFORM*SHIGELLA*SALMONELLA*	CA20NLR -7280349- -
BACTERIAL	BACTERIAL CONTAMINATION OF SOIL AND VEGETABLES ON FIELDS AFTER SEASONAL SEWAGE IRRIGATION IN THE SOUTHERN UKRAINE. *COLIFORM*	CA20NLR -7280059- -
BACTERIAL	UNDERGROUND MOVEMENT OF BACTERIAL AND CHEMICAL POLLUTANTS. *COLIFORM*REVIEW*HYGIENE*SEWAGE*EFFLUENT*	CA20NLR -7280023- -
BACTERIAL	RESPIRATORY RELATIONS OF A SYMBIOTIC ALGAL-BACTERIAL CULTURE FOR WASTE WATER NUTRIENT REMOVAL. *ACTIVATED*SLUDGE*CHLOROPHYLL*SEWAGE*TREATMENT*	CA20NLR -7280175- -

BERSEEM	RELATIVE EFFICACY OF SEWAGE AS COMPARED TO AMMONIUM SULPHATE AND SUPERPHOSPHATE ON EQUIVALENT BASIS IN BERSEEM CROP-EGYPTIAN CLOVER.	CA2ONLR -7280392- -
BERYLLIUM	SPECTROGRAPHIC ANALYSIS OF AIR-DRIED SEWAGE SLUDGE. *ALUMINUM*CALCIUM*IRON*MAGNESIUM*TITANIUM*STRONTIUM*COPPER*MAN- GANESE*SODIUM*NICKEL*TIN*VANADIUM*ZINC*SILVER*ZIRCONIUM*BORON*BERYLLIUM*CHROMIUM*CORAL*GALLIUM*MOLYBDENUM	CA2ONLR -7280469- - CA2ONLR -7280179- -
BETRIERE	DIE LANGJÄHRIGE VERWERTUNG VON ABWASSERFAULSCHLAMM IN FÜNFE VIEHLOS BEWIRTSCHAFTETEN BETRIEBE UND IHRE AUSWIR- KUNGEN AUF DIE EIGENSCHAFTEN UND LEISTUNGEN DER BODEN	CA2ONLR -7280133- -
BETRIERSWIRTSCHAFTLICHE	BETRIEBSWIRTSCHAFTLICHE ERGEBNISSE DES STÄDTISCHEN GUTES DIETERSHEIM MIT DER UMSTELLUNG AUF ABWASSERSCHLAMMVER- WERTUNG (RESULTS OF THE FARM MANAGEMENT OF THE MUNICIPAL FARM AT DIETERSHEIM AFTER THE ADAPTION TO THE UTI-	CA2ONLR -7280338- -
BEWASSERUNG	TECHNISCHE FRAGEN DER GANZJÄHRIGEN ABWASSERLANDBEHANDLUNG SOWIE GANZJÄHRIGE BEWASSERUNG SCHWERER BODEN MIT KOM- MUNALEN ABWASSERN (TECHNICAL QUESTIONS RELATED WITH YEAR-ROUND LAND TREATMENT OF SEWAGE EFFLUENT AS WELL A	CA2ONLR -7280179- -
BEWIRTSCHAFTETEN	DIE LANGJÄHRIGE VERWERTUNG VON ABWASSERFAULSCHLAMM IN EINEM VIEHLOS BEWIRTSCHAFTETEN BETRIEBE UND IHRE AUSWIR- KUNGEN AUF DIE EIGENSCHAFTEN UND LEISTUNGEN DER BODEN	CA2ONLR -7280251- -
BIBLIOGRAPHY	AGRICULTURAL UTILIZATION OF SEWAGE EFFLUENT AND SLUDGE. AN ANNOTATED BIBLIOGRAPHY.	CA2ONLR -7280433- -
BIBLIOGRAPHY	PEUSE OF EFFLUENT IN THE FUTURE WITH AN ANNOTATED BIBLIOGRAPHY. *REVIEW*IRRIGATION*	CA2ONLR -7280508- -
BIBLIOGRAPHY	BIBLIOGRAPHY OF REFERENCES TO THE LITERATURE ON THE MINOR ELEMENTS AND THEIR RELATION TO PLANT AND ANIMAL NUTR- ITION.	CA2ONLR -7280422- -
BICARBONATE	WATER QUALITY FROM THE STANDPOINT OF IRRIGATION. *SODIUM*BORON*BICARBONATE*SALINITY*	CA2ONLR -7280145- -
BICARBONATE	CHEMICAL CHANGES IN SEWAGE DURING RECLAMATION BY SPREADING. *AMMONIUM*LEACHING*NITRATE*CALCIUM*MAGNESIUM*PHOS- PHORUS*SODIUM*SULFATE*CHLORIDE*BICARBONATE*	CA2ONLR -7280269- -
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BIOCHEMICAL	THE EFFECT OF SPRINKLING IRRIGATION WITH SEWAGE ON THE PRODUCTIVITY OF MEADOWS AND SOME BIOCHEMICAL PHENOMENA IN THE SOIL.	CA2ONLR -7280125- -
BIOLOGICAL	FACTS DETERMINING TOXICITY OF COPPER IN THE FIELD OF BIOLOGICAL SEWAGE TREATMENT-ESPECIALLY IN THE FIELD OF ACT- IVATED SLUDGE PROCESS.	CA2ONLR -7280100- -
BIOLOGICAL	PROTOZOA IN BIOLOGICAL SEWAGE-TREATMENT PROCESSES. II. PROTOZOA AS INDICATORS IN THE ACTIVATED SLUDGE PROCESS. *CILIATE*HOLOTRICH*PERITRICH*HYPOTRICH*	CA2ONLR -7280056- -
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BORON	COMPOSITION AND NITRIFICATION CHARACTERISTICS OF SOME SEWAGE AND INDUSTRIAL SLUDGES. *ACTIVATED*DIGESTED*NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*MAGNESIUM*COPPER*BORON*MANGANESE*MOLYBDENUM*ZINC*SULFUR*PH*	CA2ONLR -7280011- -
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CADMIUM	POLAROGRAPHIC DETERMINATION OF METALS IN SEWAGE AND SEWAGE SLUDGES. *ANALYTICAL*COPPER*IRON*CHROMIUM*CADMIUM*NICKEL*ZINC*	CA2ONLR -7280277- -
CADMIUM	TRACE ELEMENT REMOVAL FROM SEWAGE EFFLUENT BY SOIL FILTRATION. *IRON*MANGANESE*NICKEL*COPPER*ZINC*LEAD*CADMIUM*LEACHING*	CA2ONLR -7280247- -
CADMIUM	METAL CONTENT IN SLUDGE FROM WASTE WATER TREATMENT PLANTS IN THE SURROUNDINGS OF COPENHAGEN. *CHROMIUM*MANGANESE*NICKEL*COBALT*ZINC*CADMIUM*COPPER*LEAD*IRON*	CA2ONLR -7280281- -

CADMIUM	THE AVAILABILITY OF CR, NI, ZN, CD, SN, AND PB FOR PLANTS. *CHROMIUM*NICKEL*ZINC*CADMIUM*TIN*LEAD*.	CA2ONLR -7280545- -
CADMIUM	HEAVY METAL CONTAMINATION OF SOILS. *SEWAGE*SLUDGE*COPPER*ZINC*MANGANESE*NICKEL*ALUMINUM*MERCURY*CADMIUM*LEAD* REVIEW*	CA2ONLR -7280535- -
CADMIUM	AGRICULTURAL BENEFITS AND ENVIRONMENTAL CHANGES RESULTING FROM THE USE OF DIGESTED SEWAGE SLUDGE ON FIELD CROPS. *NITROGEN*PHOSPHORUS*POTASSIUM*CHROMIUM*CADMIUM*COPPER*LEAD*MANGANESE*NICKEL*ZINC*COLIFORM*VIRUS*	CA2ONLR -7280540- -
CADMIUM	EFFECT OF FE(II) IN THE DISAPPEARANCE OF CADMIUM-INDUCED PHENOMENA ON RHIZOPUS JAVANICUS. *IRON*CADMIUM*TOXICITY*	CA2ONLR -7280518- -
CADMIUM	EFFECT OF FE(II) IN THE DISAPPEARANCE OF CADMIUM-INDUCED PHENOMENA ON RHIZOPUS JAVANICUS. *IRON*CADMIUM*TOXICITY*	CA2ONLR -7280518- -
CADMIUM	DETERMINATION OF CADMIUM IN FERTILIZERS BY ATOMIC ABSORPTION SPECTROSCOPY. *BACTERIA*	CA2ONLR -7280507- -
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CADMIUM	INTERACTIONS BETWEEN BLUE-GREEN ALGAE AND HEAVY METALS. *ZINC*NICKEL*CADMIUM*COPPER*SLUDGE*	CA2ONLR -7280399- -
CADMIUM	THE OCCURRENCE OF COPPER IN WATER, SEWAGE, AND SLUDGE AND ITS EFFECT ON SLUDGE DIGESTION. *TOXIC*CALCIUM*MAGNESIUM*PHOSPHORUS*MANGANESE*IRON*ALUMINIUM*ZINC*BORON*NICKEL*CHROMIUM*CADMIUM*	CA2ONLR -7280231- -
CADMIUM	THE SOLUBILITY OF HEAVY METAL HYDROXIDES IN WATER, SEWAGE AND SEWAGE SLUDGE. I. THE SOLUBILITY OF SOME METAL HYDROXIDES. *COPPER*NICKEL*CHROMIUM*CADMIUM*	CA2ONLR -7280191- -
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CAKE	EFFECTIVENESS OF HIGH PH FOR DESTRUCTION OF PATHOGENS IN RAW SLUDGE FILTER CAKE. *BACTERIA*SALMONELLA TYPHOSA*LIME*COLIFORM*	CA2ONLR -7280101- -
CAKE	EFFECT OF FILTER-PRESS CAKE ON CROP YIELDS AND SOIL PROPERTIES.	CA2ONLR -7280079- -
CALCIUM	RETURNING WASTES TO THE LAND, A ROLE FOR AGRICULTURE. *BORON*SODIUM*POTASSIUM*MAGNESIUM*CALCIUM*NITROGEN*PHOSPHORUS*SULFUR*CHLORIDE*LEACHING*EFFLUENT*REVIEW*	CA2ONLR -7280038- -
CALCIUM	STUDIES OF WASTE WATER RECLAMATION AND UTILIZATION. *REVIEW*CALCIUM*MAGNESIUM*SODIUM*POTASSIUM*AMMONIUM*SULFUR*NITRATE*BORON*CONDUCTIVITY*CALIFORNIA*	CA2ONLR -7280024- -
CALCIUM	COMPOSITION AND NITRIFICATION CHARACTERISTICS OF SOME SEWAGE AND INDUSTRIAL SLUDGES. *ACTIVATED*DIGESTED*NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*MAGNESIUM*COPPER*BORON*MANGANESE*MOLYBDENUM*ZINC* SULFUR*PH*	CA2ONLR -7280011- -
CALCIUM	THE PURIFYING EFFECT OF DIFFERENT METHODS OF SEWAGE-WATER TREATMENT IN INVESTIGATIONS OF BERLIN SAND SOIL. *IRRIGATION*SPRINKLER*FLOOD*FURROW*LEACHING*NITROGEN*NITRATE*AMMONIUM*PHOSPHORUS*POTASSIUM*CALCIUM*SODIUM*	CA2ONLR -7280183- -
CALCIUM	THE SOLUBILITY OF HEAVY METAL HYDROXIDES IN WATER, SEWAGE AND SEWAGE SLUDGE. III. THE SOLUBILITY OF HEAVY METALS PRESENT IN DIGESTED SEWAGE SLUDGE *NICKEL*IRON*ZINC*COPPER*SODIUM*POTASSIUM*CALCIUM*	CA2ONLR -7280192- -
CALCIUM	LAND DISPOSAL OF LIQUID SEWAGE SLUDGE; I. THE EFFECT ON THE GROWTH, CHEMICAL COMPOSITION AND IN VIVO DIGESTIBILITY OF COASTAL BERMUDAGRASS (CYNODON DACTYLON L. PERS.). *NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*MAGNESIUM*	CA2ONLR -7280174- -
CALCIUM	THE OCCURRENCE OF COPPER IN WATER, SEWAGE, AND SLUDGE AND ITS EFFECT ON SLUDGE DIGESTION. *TOXIC*CALCIUM*MAGNESIUM*PHOSPHORUS*MANGANESE*IRON*ALUMINIUM*ZINC*BORON*NICKEL*CHROMIUM*CADMIUM*	CA2ONLR -7280231- -
CALCIUM	CHEMICAL CHANGES IN SEWAGE DURING RECLAMATION BY SPREADING. *AMMONIUM*LEACHING*NITRATE*CALCIUM*MAGNESIUM*PHOSPHORUS*SODIUM*SULFATE*CHLORIDE*CARBONATE*	CA2ONLR -7280145- -

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CEREALF	LAND DISPOSAL OF SEWAGE SLUDGE: II. THE EFFECT ON SOIL PH, MN, ZN, AND GROWTH AND CHEMICAL COMPOSITION OF RYE (SEALF CEPEALF L.).	CA20NLR -7280050- -
CHEMICAL	CHEMICAL CHANGES IN SOIL IRRIGATED WITH MUNICIPAL SEWAGE.	CA20NLR -7280042- -
CHEMICAL	UNDERGROUND MOVEMENT OF BACTERIAL AND CHEMICAL POLLUTANTS. *COLIFORM*PREVIEW*HYGIENE*SEWAGE*EFFLUENT*	CA20NLR -7280023- -
CHEMICAL	LAND DISPOSAL OF SEWAGE SLUDGE: II. THE EFFECT ON SOIL PH, MN, ZN, AND GROWTH AND CHEMICAL COMPOSITION OF RYE (SEALF CEREALF L.).	CA20NLR -7280050- -
CHEMICAL	CHEMICAL INTERACTIONS OF WASTEWATER IN A SOIL ENVIRONMENT. *LEACHING*	CA20NLR -7280147- -
CHEMICAL	CHEMICAL CHANGES IN SEWAGE DURING RECLAMATION BY SPREADING. *AMMONIUM*LEACHING*NITRATE*CALCIUM*MAGNESIUM*PHOSPHORUS*SODIUM*SULFATE*CHLORIDE*BICARBONATE*	CA20NLR -7280145- -
CHEMICAL	LAND DISPOSAL OF LIQUID SEWAGE SLUDGE: I. THE EFFECT ON THE GROWTH, CHEMICAL COMPOSITION AND IN VIVO DIGESTIBILITY OF COASTAL BERMUDAGRASS (CYNODON DACTYLON L. PERS.). *NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*MAGNESIUM*SODIUM*	CA20NLR -7280174- -
CHEMICAL	THE EFFECT OF LIQUID SLUDGE ON GROWTH AND CHEMICAL COMPOSITION OF COASTAL BERMUDAGRASS AND RYE AND ON SOIL PROPERTIES, AMMONIA VOLATILIZATION, AND NITRATE LEACHING.	CA20NLR -7280171- -
CHEMICAL	CHEMICAL PROPERTIES OF DIGESTED SLUDGES AND THEIR USEFUL APPLICATION IN WASTE TREATMENT. *EXCHANGE CAPACITY*CONTENT*CYANIDE*	CA20NLR -7280173- -
CHEMICAL	CHEMICAL COMPOSITION OF POTATOES GROWN ON FIELDS FERTILIZED WITH SEWAGE SEDIMENTS.	CA20NLR -7280205- -
CHEMICAL	VERSUCHSERGEBNISSE UBER DIE BODENBEHANDLUNG VON ABWASSERSCHLAMMEN DER CHEMISCHEN INDUSTRIE (EXPERIMENTAL RESULTS ON THE LAND TREATMENT OF SEWAGE SLUDGES FROM CHEMICAL INDUSTRIES).	CA20NLR -7280217- -
CHEMICAL	SOIL CHEMICAL CHANGES AND INFILTRATION RATE REDUCTION UNDER SEWAGE SPREADING.	CA20NLR -7280470- -
CHEMICAL	A BIOLOGICAL AND CHEMICAL STUDY OF SEVERAL ANAEROBIC DIGESTERS. *CITRIC CYCLE*GLYCOLYSIS*ENZYMES*	CA20NLR -7280537- -
CHEMICAL	CHANGES IN CHEMICAL PROPERTIES OF SEWAGE SLUDGE DURING METHANE FERMENTATION.	CA20NLR -7280249- -
CHEMICAL	CHEMICAL PROBLEMS IN THE UTILIZATION OF SEWAGE IN AGRICULTURE.	CA20NLR -7280316- -
CHEMICAL	MICROBIAL AND CHEMICAL STUDY OF SEWAGE AND INDUSTRIAL WASTE.	CA20NLR -7280318- -
CHEMISCHEN	VERSUCHSERGEBNISSE UBER DIE BODENBEHANDLUNG VON ABWASSERSCHLAMMEN DER CHEMISCHEN INDUSTRIE (EXPERIMENTAL RESULTS ON THE LAND TREATMENT OF SEWAGE SLUDGES FROM CHEMICAL INDUSTRIES).	CA20NLR -7280217- -
CHESTNUT	EFFECT OF IRRIGATION BY SEWAGE FROM VOLGA CHEMISTRY ENTERPRISES ON AGROMELIORATIVE INDEXES OF FINE-LOAMY LIGHT-CHESNUT SOILS.	CA20NLR -7280258- -
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CHICAGO	LAND RECLAMATION-A COMPLETE SOLUTION OF SLUDGE AND SOLIDS DISPOSAL PROBLEM. *CHICAGO*	CA20NLR -7280096- -
CHLORELLA	RESPIRATORY RELATIONS OF A SYMBIOTIC ALGAL-BACTERIAL CULTURE FOR WASTE WATER NUTRIENT REMOVAL. *ACTIVATED*SLUDGE*CHLORELLA*SEWAGE*TREATMENT*	CA20NLR -7280175- -
CHLORELLA	UTILIZATION OF MICRO GREEN ALGAE FOR TREATMENT OF INDUSTRIAL WASTES OR POLLUTED WATER. III. RESISTANCE OF LIVE CHLORELLA IN POLLUTED WATER TO TOXICITY OF SOME HEAVY METALS.	CA20NLR -7280375- -

CALCIUM	SEWAGE EFFLUENT DISPOSAL THROUGH CROP IRRIGATION. *COLIFORM*LEACHING*NITROGEN*PHOSPHORUS*MAGNESIUM*CALCIUM*SODIUM*POTASSIUM*	CA20NLP -7280161- -
CALCIUM	THE EFFECT OF SEWAGE SLUDGE ON ION ACTIVITY IN SOILS. *CALCIUM*MAGNESIUM*POTASSIUM*	CA20NLR -7280372- -
CALCIUM	FERTILIZER AND FERTILITY VALUE OF SEWAGE SLUDGE. *NITROGEN*PHOSPHORUS*POTASSIUM*ALUMINUM*CALCIUM*MAGNESIUM*MANGANESE*SODIUM*TITANIUM*COPPER*BARIIUM*ZINC*LEAD*NICKEL*COBALT*SULFUR*CHROMIUM*ARSENIC*BORON*IODINE*GREASE*L	CA20NLP -7280522- -
CALCIUM	DISPOSAL OF MUNICIPAL WASTE WATER THROUGH FOREST IRRIGATION. *PENNSYLVANIA*NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*MAGNESIUM*MANGANESE*IRON*COPPER*BORON*ALUMINUM*ZINC*SODIUM*SEWAGE*	CA20NLR -7280502- -
CALCIUM	SPECTROGRAPHIC ANALYSIS OF AIR-DRIED SEWAGE SLUDGE. *ALUMINUM*CALCIUM*IRON*MAGNESIUM*TITANIUM*BARIIUM*COPPER*MANGANESE*SODIUM*NICKEL*TIN*VANADIUM*ZINC*SILVER*ZIRCONIUM*BORON*BERYLLIUM*CHROMIUM*COBALT*GALLIUM*MOLYBDENUM	CA20NLR -7280469- -
CALCIUM	OBSERVATIONS ON SOME MINERALS AND B VITAMINS IN SEWAGE AND SLUDGES. *PHOSPHORUS*SULFATE*SULFIDE*IRON*CALCIUM*MAGNESIUM*COPPER*ZINC*CHROMIUM*NICKEL*MOLYBDENUM*COBALT*	CA20NLR -7280478- -
CALCIUM	SEWAGE SLUDGE AS FERTILIZER. *NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*LEAD*MAGNESIUM*COPPER*IRON*ALUMINUM*ZINC*ARSENIC*BARIIUM*SULFUR*MANGANESE*BISMUTH*CHLORINE*TOLEDO*	CA20NLR -7280299- -
CALCIUM	AN INVESTIGATION OF SEWAGE SPREADING ON FIVE CALIFORNIA SOILS. *INFILTRATION*COLIFORM*CALCIUM*MAGNESIUM*SODIUM*POTASSIUM*IRRIGATION*	CA20NLR -7280286- -
CALCIUM	AGRICULTURAL USAGE OF SEWAGE OF THE TOWN OF ZORY. *NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*MAGNESIUM*IRON*CHLORIDES*	CA20NLR -7280266- -
CALIF	WATER RECLAMATION AND REFUSE DISPOSAL. - A REPORT ON THE 13TH ANNUAL CONFERENCE OF THE CALIF. SEWAGE AND INDUSTRIAL WASTES ASSOC.	CA20NLR -7280239- -
CALIF	VIRUS CONTROL AT THE SANTEE, CALIF. PROJECT. *COLIFORM*STREPTOCOCCI*BACTERIA*SEWAGE*EFFLUENT*RECREATION*REOVIRUS*POLIOVIRUS*ECHOVIRUS*ADENOVIRUS*	CA20NLR -7280070- -
CALIFORNIA	STUDIES OF WASTE WATER RECLAMATION AND UTILIZATION. *REVIEW*CALCIUM*MAGNESIUM*SODIUM*POTASSIUM*AMMONIUM*SULFUR*NITRATE*BORON*CONDUCTIVITY*CALIFORNIA*	CA20NLR -7280024- -
CALIFORNIA	AN INVESTIGATION OF SEWAGE SPREADING ON FIVE CALIFORNIA SOILS. *INFILTRATION*COLIFORM*CALCIUM*MAGNESIUM*SODIUM*POTASSIUM*IRRIGATION*	CA20NLR -7280286- -
CALIFORNIA	SEWAGE RECLAMATION AT FRESNO, CALIFORNIA.	CA20NLR -7280327- -
CALIFORNIA	CALIFORNIA REGULATES USE OF SEWAGE FOR CROP IRRIGATION. *VEGETABLES*FRUIT*FORAGE*GRAIN*CORN*BACTERIA*	CA20NLR -7280360- -
CALJRCZNE	CALJRCZNE ROLNICZE WYKORZYSTANIE SCIEKOW (YEAR-ROUND UTILIZATION OF SEWAGE FOR AGRICULTURAL PURPOSES). *POLAND*FOREST*SLUDGE*	CA20NLR -7280257- -
CANDIDA	COMPOSTING DEWATERED SEWAGE SLUDGE. *LIME*FERRIC CHLORIDE*SALMONELLA*ASCARIS*POLIOVIRUS*CANDIDA*VIRUS*YEASTS*	CA20NLR -7280325- -
CANE	EFFECT OF IRRIGATION WITH SEWAGE EFFLUENT ON THE YIELDS AND ESTABLISHMENT OF NAPIER GRASS AND JAPANESE CANE. *NITROGEN*	CA20NLP -7280386- -
CARBIDES	CONVERSION TO ACTIVATED SLUDGE AT UNION CARBIDES INSTITUTE PLANT.	CA20NLR -7280260- -
CATIONS	EFFECT OF DIFFERENT LEVELS OF COPPER AND ZINC ADDED AS ADSORBED CATIONS OF SOIL.	CA20NLR -7280566- -
CATTLE	EFFECTS OF SEWAGE ON CATTLE AND GARBAGE ON HOGS. *TUBERCULOSIS*	CA20NLR -7280519- -
CATTLE	GRAZING CATTLE ON SEWAGE FARMS AND DISPOSAL WORKS.	CA20NLR -7280080- -
CATTLE	CROP PRODUCTION AND SOIL ANALYSIS AS AFFECTED BY APPLICATIONS OF CATTLE FEEDLOT WASTE.	CA20NLP -7280229- -
CATTLESKIN	CATTLESKIN TANNERY WASTE TREATMENT IN A COMPLETELY MIXED ACTIVATED SLUDGE PILOT PLANT. *CHROMIUM*REMOVAL*	CA20NLR -7280194- -

CHROMIUM	THE OCCURRENCE OF COPPER IN WATER, SEWAGE, AND SLUDGE AND ITS EFFECT ON SLUDGE DIGESTION. *TOXIC*CALCIUM*MAGNESIUM*PHOSPHORUS*MANGANESE*IRON*ALUMINIUM*ZINC*BORON*NICKEL*CHROMIUM*CADMIUM*	CA2ONLR -7280231- -
CHROMIUM	METALS IN MUNICIPAL SEWERAGE SYSTEMS. *CHROMIUM*ZINC*COPPER*NICKEL*LEAD*MANGANESE*TITANIUM*	CA2ONLR -7280223- -
CHROMIUM	LAND IN SEWAGE PURIFICATION. *SLUDGE*IRRIGATION*COPPER*CHROMIUM*NICKEL*	CA2ONLR -7280384- -
CHROMIUM	USE OF CHROMIUM LEATHER REFUSE AS NITROGEN SOURCE IN THE FERTILIZATION OF PLANTS.	CA2ONLR -7280455- -
CHROMIUM	SPECTROGRAPHIC ANALYSIS OF AIR-DRIED SEWAGE SLUDGE. *ALUMINUM*CALCIUM*IRON*MAGNESIUM*TITANIUM*BARIUM*COPPER*MANGANESE*SODIUM*NICKEL*TIN*VANADIUM*ZINC*SILVER*ZIRCONIUM*BORON*BERYLLIUM*CHROMIUM*COBALT*GALLIUM*MOLYBDENUM*	CA2ONLR -7280469- -
CHROMIUM	OBSERVATIONS ON SOME MINERALS AND B VITAMINS IN SEWAGE AND SLUDGES. *PHOSPHORUS*SULFATE*SULFIDE*IRON*CALCIUM*MAGNESIUM*COPPER*ZINC*CHROMIUM*NICKEL*MOLYBDENUM*COBALT*	CA2ONLR -7280478- -
CHROMIUM	FERTILIZER AND FERTILITY VALUE OF SEWAGE SLUDGE. *NITROGEN*PHOSPHORUS*POTASSIUM*ALUMINUM*MAGNESIUM*MANGANESE*SODIUM*TITANIUM*COPPER*BARIUM*ZINC*LEAD*NICKEL*COBALT*SULFUR*CHROMIUM*ARSENIC*BORON*IODINE*GREASE*LEAD*	CA2ONLR -7280522- -
CHROMIUM	THE AVAILABILITY OF CR, NI, ZN, CO, SN, AND PR FOR PLANTS. *CHROMIUM*NICKEL*ZINC*CADMIUM*TIN*LEAD*	CA2ONLR -7280545- -
CHROMIUM	INCIDENCE OF CHROMIUM CONTAMINATION OF GROUNDWATER IN MICHIGAN.	CA2ONLR -7280549- -
CHROMIUM	AGRICULTURAL BENEFITS AND ENVIRONMENTAL CHANGES RESULTING FROM THE USE OF DIGESTED SEWAGE SLUDGE ON FIELD CROPS. *NITROGEN*PHOSPHORUS*POTASSIUM*CHROMIUM*CADMIUM*COPPER*LEAD*MANGANESE*NICKEL*ZINC*COLIFORM*VIRUS*	CA2ONLR -7280540- -
CILIATE	PROTOZOA IN BIOLOGICAL SEWAGE-TREATMENT PROCESSES. II. PROTOZOA AS INDICATORS IN THE ACTIVATED SLUDGE PROCESS. *CILIATE*HOLOTRICH*PERITRICH*HYPOTRICH*	CA2ONLR -7280100- -
CILIATED	AN ECOLOGICAL STUDY OF CILIATED PROTOZOA IN ACTIVATED SLUDGE. *FLAGELLATES*CILIATES*HYPOTRICH*PERITRICH*	CA2ONLR -7280001- -
CILIATES	AN ECOLOGICAL STUDY OF CILIATED PROTOZOA IN ACTIVATED SLUDGE. *FLAGELLATES*CILIATES*HYPOTRICH*PERITRICH*	CA2ONLR -7280001- -
CILIATES	PROTOZOA IN BIOLOGICAL SEWAGE-TREATMENT PROCESSES. I. A SURVEY OF THE PROTOZOAN FAUNA OF BRITISH PERCOLATING FILTERS AND ACTIVATED SLUDGE PLANTS. *AMOEBA*FLAGELLATES*CILIATES*	CA2ONLR -7280551- -
CITIES	HOW CITIES DISTRIBUTE SLUDGE AS A SOIL CONDITIONER.	CA2ONLR -7280289- -
CITRIC	A BIOLOGICAL AND CHEMICAL STUDY OF SEVERAL ANAEROBIC DIGESTERS. *CITRIC CYCLE*GLYCOLYSIS*ENZYMES*	CA2ONLR -7280537- -
CITY	EFFECTS OF CITY SEWAGE EFFLUENT ON GRAIN YIELD AND GRAIN MALT QUALITY OF FALL-SOWN, IRRIGATED BARLEY.	CA2ONLR -7280094- -
CITY	EFFECT OF CITY SEWAGE EFFLUENT ON THE YIELD AND QUALITY OF GRAIN FROM BARLEY, OATS, AND WHEAT.	CA2ONLR -7280092- -
CITY	HAY PRODUCTION OF SMALL GRAINS UTILIZING CITY SEWAGE EFFLUENT.	CA2ONLR -7280090- -
CITY	CITY SEWAGE FOR IRRIGATION AND PLANT NUTRIENTS.	CA2ONLR -7280091- -
CITY	CONTAMINATION OF SOIL BY EGGS OF HELMINTHS IN FIELDS OF THE CITY OF KEDAINIAI IRRIGATED WITH WASTE WATERS.	CA2ONLR -7280343- -
CITY	HOW ONE CITY SELLS ITS SLUDGE. *PRICES*	CA2ONLR -7280187- -
CLAY	SALT ACCUMULATION IN CLAY SLATE BY SEWAGE SLUDGE. *FERTILIZER*SOIL*	CA2ONLR -7280442- -
CLAY	VIRUS INACTIVATION ON CLAY PARTICLES IN NATURAL WATERS.	CA2ONLR -7280060- -
CLEANLINESS	FERTILITY OR POLLUTION. *SOIL*RIVER*CLEANLINESS*SEWAGE*	CA2ONLR -7280144- -
CLOGGING	INFLUENCE OF DOMESTIC WASTEWATER PRETREATMENT ON SOIL CLOGGING.	CA2ONLR -7280494- -
CLOSTRIDIUM	DISINFECTION EFFECTIVENESS OF HEAT DRYING OF SLUDGE. *HYGIENE*COLIFORM*SPORE-FORMING*CLOSTRIDIUM*BACTERIA*ASCARIS*	CA2ONLR -7280005- -

CHLORIDE	EFFECT OF SEWAGE IRRIGATION ON SOILS. *STRUCTURE*CHLORIDE*BORON	CA20NLP -7280389- -
CHLORIDE	CHEMICAL CHANGES IN SEWAGE DURING RECLAMATION BY SPREADING. *AMMONIUM*LEACHING*NITRATE*CALCIUM*MAGNESIUM*PHOSPHORUS*SODIUM*SULFATE*CHLORIDE*ACETATE*	CA20NLP -7280145- -
CHLORIDE	RETURNING WASTES TO THE LAND, A POLE FOR AGRICULTURE. *BORON*SODIUM*POTASSIUM*MAGNESIUM*CALCIUM*NITROGEN*PHOSPHORUS*SULFUR*CHLORIDE*LEACHING*EFFLUENT*REVIEW*	CA20NLP -7280038- -
CHLORIDE	COMPOSTING DEWATERED SEWAGE SLUDGE. *LIME*FERRIC CHLORIDE*SALMONELLA*ASCARIS*POLIOVIRUS*CANIDIA*VIRUS*YEASTS*	CA20NLP -7280325- -
CHLORIDES	AGRICULTURAL USAGE OF SEWAGE OF THE TOWN OF ZORY. *NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*MAGNESIUM*IRON*CHLORIDES*	CA20NLP -7280266- -
CHLORINATED	HEAVY METALS AND CHLORINATED HYDROCARBONS IN SLUDGE. LINDANE*SEWAGE*SLUDGES*DDT*SEWAGE*SLUDGE*BIPHENYLS*POLYCHLORINATED*SEWAGE*	CA20NLP -7280291- -
CHLORINE	SEWAGE SLUDGE AS FERTILIZER. *NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*LEAD*MAGNESIUM*COPPER*IRON*ALUMINUM*ZINC*ARSENIC*BARIUM*SULFUR*MANGANESE*BISMUTH CHLORINE*TOLEDO*	CA20NLP -7280299- -
CHROME	EFFECT OF CHROME PLATING WASTES ON WARSAW, INDIANA, SEWAGE TREATMENT PLANT. *SLUDGE*CHROMIUM*VARIABILITY*SAMPLING*	CA20NLP -7280118- -
CHROMIUM	EFFECT OF CHROME PLATING WASTES ON WARSAW, INDIANA, SEWAGE TREATMENT PLANT. *SLUDGE*CHROMIUM*VARIABILITY*SAMPLING*	CA20NLP -7280118- -
CHROMIUM	EFFECT OF ADDITION OF COPPER, MANGANESE, ZINC, AND CHROMIUM COMPOUNDS ON AMMONIFICATION AND NITRIFICATION DURING INCUBATION OF SOIL. *TOXIC*AERATION*	CA20NLP -7280037- -
CHROMIUM	SOME CHANGES IN POLLUTED WATER DURING PERCOLATION THROUGH SOIL. *COPPER*NICKEL*CHROMIUM*MANGANESE*ZINC*LEAD*IRON*AMMONIUM*	CA20NLP -7280034- -
CHROMIUM	TOXICITY OF CHROMIUM SALTS IN RELATION TO MICRO-ORGANISMS RESPONSIBLE FOR PURIFICATION.	CA20NLP -7280027- -
CHROMIUM	UTILIZATION OF URBAN WASTES IN CROP PRODUCTION. *GARBAGE*SLUDGE*BORON*COPPER*LEAD*MANGANESE*ZINC*NICKEL*CHROMIUM*CADMIUM*EFFLUENT*	CA20NLP -7280021- -
CHROMIUM	INFLUENCE OF TRIVALENT CHROMIUM ON THE BIOLOGICAL TREATMENT OF DOMESTIC SEWAGE. *DIGESTION*	CA20NLP -7280056- -
CHROMIUM	METAL CONTENT IN SLUDGE FROM WASTE WATER TREATMENT PLANTS IN THE SURROUNDINGS OF COPENHAGEN. *CHROMIUM*MANGANESE*NICKEL*COBALT*ZINC*CADMIUM*COPPER*LEAD*IRON*	CA20NLP -7280281- -
CHROMIUM	POLAROGRAPHIC DETERMINATION OF METALS IN SEWAGE AND SEWAGE SLUDGES. *ANALYTICAL*COPPER*IRON*CHROMIUM*CADMIUM*NICKEL*ZINC*	CA20NLP -7280277- -
CHROMIUM	INCUBATION STUDY OF NITRIFICATION OF DIGESTED SEWAGE SLUDGE ADDED TO SOIL. *COPPER*ZINC*MANGANESE*CHROMIUM*AMMONIUM*	CA20NLP -7280267- -
CHROMIUM	METAL CONTAMINATION OF SOIL IN WOBURN MARKET-GARDEN EXPERIMENT RESULTING FROM APPLICATION OF SEWAGE SLUDGE. *COBALT*CHROMIUM*COPPER*MOLYBDENUM*NICKEL*LEAD*ZINC*	CA20NLP -7280246- -
CHROMIUM	EFFECTS OF CHROMIUM ON GROWTH AND MINERAL NUTRITION OF SOYBEANS.	CA20NLP -7280135- -
CHROMIUM	THE EFFECT OF FLOODING AND AERATION ON THE MOBILITY OF CERTAIN TRACE ELEMENTS IN SOILS. *LEAD*COPPER*NICKEL*ZINC*COBALT*MANGANESE*CHROMIUM*OXIDATION*REOXIDATION*VANADIUM*MOLYBDENUM*	CA20NLP -7280134- -
CHROMIUM	CATTLESKIN TANNERY WASTE TREATMENT IN A COMPLETELY MIXED ACTIVATED SLUDGE PILOT PLANT. *CHROMIUM*REMOVAL*	CA20NLP -7280184- -
CHROMIUM	THE SOLUBILITY OF HEAVY METAL HYDROXIDES IN WATER, SEWAGE AND SEWAGE SLUDGE. I. THE SOLUBILITY OF SOME METAL HYDROXIDES. *COPPER*NICKEL*CHROMIUM*CADMIUM*	CA20NLP -7280191- -
CHROMIUM	TRACE ELEMENTS IN SEWAGE SLUDGE. *ZINC*CHROMIUM*COPPER*NICKEL*TI*IN*SILVER*BISMUTH*LEAD*MANGANESE*VANADIUM*TOXICITY*	CA20NLP -7280208- -

CLIM	VALUE OF LIQUID DRESTED SEWAGE SLUDGE .I. EFFECT OF LIQUID SEWAGE SLUDGE ON GROWTH AND COMPOSITION OF GRASS- LOVER SWARDS IN SOUTH-EAST ENGLAND.	CA2ONLP - 7280010- -
CLOVER	RELATIVE EFFICACY OF SEWAGE AS COMPARED TO AMMONIUM SULPHATE AND SUPERPHOSPHATE ON EQUIVALENT BASIS IN BERSEEM CROP-EGYPTIAN CLOVER.	CA2ONLR - 7280392- -
COASTAL	LAND DISPOSAL OF LIQUID SEWAGE SLUDGE; I. THE EFFECT ON THE GROWTH, CHEMICAL COMPOSITION AND IN VIVO DIGESTIBI- LITY OF COASTAL BERMUDAGRASS(CYNODON DACTYLON L. PERS). *NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*MAGNESIUM*	CA2ONLR - 7280174- -
COASTAL	THE EFFECT OF LIQUID SLUDGE ON GROWTH AND CHEMICAL COMPOSITION OF COASTAL BERMUDAGRASS AND RYE AND ON SOIL PRO- PERTIES, AMMONIA VOLATILIZATION, AND NITRATE LEACHING.	CA2ONLP - 7280171- -
COBALT	THE EFFECT OF FLOODING AND AERATION ON THE MOBILITY OF CERTAIN TRACE ELEMENTS IN SOILS. *LEAD*COPPER*NICKEL*ZI- NC*COBALT*MANGANESE*CHROMIUM*OXIDATION*REOXIDATION*VANADIUM*MOLYBDENUM*	CA2ONLR - 7280134- -
COBALT	OCCURRENCE OF MANGANESE, COPPER, ZINC, MOLYBDENUM AND COBALT IN PHOSPHATE FERTILIZERS AND SEWAGE.	CA2ONLR - 7280498- -
COBALT	FERTILIZER AND FERTILITY VALUE OF SEWAGE SLUDGE. *NITROGEN*PHOSPHORUS*POTASSIUM*ALUMINUM*CALCIUM*MAGNESIUM*MA- GANESE*SODIUM*TITANIUM*COPPER*BARIIUM*ZINC*LEAD*NICKEL*COBALT*SULFUR*CHROMIUM*ARSENIC*BORON*IODINE*GREASE*L	CA2ONLR - 7280522- -
COBALT	STATE OF THE DEHYDROGENASE ACTIVITY OF AQUATIC BACTERIA, THEIR GROWTH, AND R.O.D. UNDER CONDITIONS INVOLVING T- HE ACTION OF INORGANIC MATTER CONTAINED IN INDUSTRIAL WASTE WATERS. *CADMIUM*COPPER*COBALT*NICKEL*ZINC*	CA2ONLR - 7280410- -
COBALT	OBSERVATIONS ON SOME MINERALS AND B VITAMINS IN SEWAGE AND SLUDGES. *PHOSPHORUS*SULFATE*SULFIDE*IRON*CALCIUM*M- AGNESIUM*COPPER*ZINC*CHROMIUM*NICKEL*MOLYBDENUM*COBALT*	CA2ONLR - 7280478- -
COBALT	SPECTROGRAPHIC ANALYSIS OF AIR-DRIED SEWAGE SLUDGE. *ALUMINUM*CALCIUM*IRON*MAGNESIUM*TITANIUM*BARIIUM*COPPER*MA- NGANESE*SODIUM*NICKEL*TIN*VANADIUM*ZINC*SILVER*ZIRCONIUM*BORON*BERYLLIUM*CHROMIUM*COBALT*GALLIUM*MOLYBDENU	CA2ONLR - 7280469- -
COBALT	OCCURRENCE OF MANGANESE, COPPER, ZINC, MOLYBDENUM, AND COBALT IN PHOSPHATE FERTILIZERS AND SEWAGE SLUDGE.	CA2ONLR - 7280012- -
COBALT	LEVEL OF TRACE ELEMENTS (NICKEL, COBALT, AND COPPER) IN PLANTS GROWING IN SLURRY FIELDS OF ALUMINUM PRODUCTION	CA2ONLR - 7280104- -
COBALT	THE USE OF INDUSTRIAL PRODUCTS AS FERTILIZERS WITH TRACE ELEMENTS IN ROMANIA. *COBALT*IRON*MANGANESE*CONTENT*L- EAD*ZINC*COPPER*SULFUR*	CA2ONLR - 7280051- -
COBALT	EFFECTS OF HEAVY METAL IONS ON THE GROWTH OF MICROORGANISMS. *ZINC*NICKEL*COBALT*COPPER*BACTERIA*YEASTS*MOLDS*	CA2ONLR - 7280018- -
COBALT	METAL CONTENT IN SLUDGE FROM WASTE WATER TREATMENT PLANTS IN THE SURROUNDINGS OF COPENHAGEN. *CHROMIUM*MANGANE- SE*NICKEL*COBALT*ZINC*CADMIUM*COPPER*LEAD*IRON*	CA2ONLR - 7280281- -
COBALT	METAL CONTAMINATION OF SOIL IN WOBURN MARKET-GARDEN EXPERIMENT RESULTING FROM APPLICATION OF SEWAGE SLUDGE. *C- OBALT*CHROMIUM*COPPER*MOLYBDENUM*NICKEL*LEAD*ZINC*	CA2ONLR - 7280246- -
COBALT	THE EFFECTS OF TRACE ELEMENTS ON THE EXHAUSTION OF SEWAGE-IRRIGATED LAND. *FRANCE*GERMANY*COPPER*ZINC*TOXICITY *MANGANESE*SODIUM*COBALT*MOLYBDENUM*BORON*	CA2ONLR - 7280352- -
COLI	STUDIES ON THE USE OF SEWAGE EFFLUENT FOR IRRIGATION FOR TRUCK CROPS. *SALMONELLA*ASCARIS*ENDAMOEBIA COLI*	CA2ONLR - 7280109- -
COLIFORM	EFFECTIVENESS OF HIGH PH FOR DESTRUCTION OF PATHOGENS IN RAW SLUDGE FILTER CAKE. *BACTERIA*SALMONELLA TYPHOSA* LIME*COLIFORM*	CA2ONLR - 7280101- -
COLIFORM	SEWAGE SLUDGE CONDITIONING AND DISINFECTION BY GAMMA IRRADIATION. *COLIFORM*STREPTOCOCCAL*FECAL*	CA2ONLR - 7280119- -
COLIFORM	UNDERGROUND MOVEMENT OF BACTERIAL AND CHEMICAL POLLUTANTS. *COLIFORM*PEVIEW*HYGIENE*SEWAGE*EFFLUENT*	CA2ONLR - 7280023- -
COLIFORM	DISINFECTION EFFECTIVENESS OF HEAT DRYING OF SLUDGE. *HYGIENE*COLIFORM*SPORE-FORMING*CLOSTRIDIUM*BACTERIA*ASCA- RIS*	CA2ONLR - 7280005- -

COLIFORM	VIRUS CONTROL AT THE SANTEE, CALIF. PROJECT. *COLIFORM*STREPTOCOCCI*BACTERIA*SEWAGE*EFFLUENT*RECREATION*REOVIRUS*POLIOVIRUS*ECHOVIRUS*ADENOVIRUS*	CA2ONLR -72B0070- -
COLIFORM	BACTERIAL CONTAMINATION OF SOIL AND VEGETABLES ON FIELDS AFTER SEASONAL SEWAGE IRRIGATION IN THE SOUTHERN UKRAINE. *COLIFORM*	CA2ONLR -72B0059- -
COLIFORM	CONTAMINATION OF VEGETABLES GROWN IN POLLUTED SOIL: I. BACTERIAL CONTAMINATION. *COLIFORM*SHIGELLA*SALMONELLA*	CA2ONLR -72B0349- -
COLIFORM	CONTAMINATION OF VEGETABLES GROWN IN POLLUTED SOIL. IV. BACTERIAL DECONTAMINATION. *COLIFORM*SEWAGE*	CA2ONLR -72B0346- -
COLIFORM	FACTORS INFLUENCING THE DESIGN AND OPERATION OF SOIL SYSTEMS FOR WASTE TREATMENT. *LEACHING*NITRATE*NITRITE*AMMONIUM*ABS*COLIFORM*BACTERIA*COD*POD*	CA2ONLR -72B0356- -
COLIFORM	VIRUS STUDIES ON THE WINHOEK WASTEWATER RECLAMATION PLANT (SOUTHWEST AFRICA). *ENTEROVIRUS*REOVIRUS*ECHOVIRUS*COLIFORM*BACTERIA*	CA2ONLR -72B0294- -
COLIFORM	AN INVESTIGATION OF SEWAGE SPREADING ON FIVE CALIFORNIA SOILS. *INFILTRATION*COLIFORM*CALCIUM*MAGNESIUM*SODIUM*POTASSIUM*IRRIGATION*	CA2ONLR -72B0286- -
COLIFORM	BACTERIOLOGICAL STUDY OF IRRIGATED VEGETABLES. *COLIFORM*SALMONELLA*ENTEROCOCCI*	CA2ONLR -72B0297- -
COLIFORM	INFECTION OF VEGETABLES BY APPLICATION OF DOMESTIC SEWAGE AS ARTIFICIAL RAIN. *COLIFORM*SALMONELLA*VEGETABLES*FRUIT*	CA2ONLR -72B0306- -
COLIFORM	DIRECT-ISOLATION STUDIES ON AEROBIC AND FACULTATIVE ANAEROBIC BACTERIAL FLORA OF ANAEROBIC DIGESTERS RECEIVING RAW SEWAGE SLUDGE. *COLIFORM*BACILLUS*PSEUDOMONAS*MICROCOCCUS*	CA2ONLR -72B0465- -
COLIFORM	ENRICHMENT CULTURE STUDIES ON AEROBIC AND FACULTATIVE ANAEROBIC BACTERIA FOUND IN ANAEROBIC DIGESTERS. *BACILLUS*COLIFORM*PSEUDOMONAS*	CA2ONLR -72B0466- -
COLIFORM	DISPOSAL OF DEWATERED FRESH SEWAGE SLUDGE. COLIFORM*SALMONELLA*BACTERIA*LIME*ALUM*PH*	CA2ONLR -72B0458- -
COLIFORM	SANITARY ASPECTS OF COMPOSTED SEWAGE SLUDGE AND SAWDUST. *BACTERIA*SALMONELLA*SHIGELLA*COLIFORM*	CA2ONLR -72B0483- -
COLIFORM	LITERATURE REVIEW ON THE OCCURRENCE AND SURVIVAL OF ENTERIC, PATHOGENIC, AND RELATIVE ORGANISMS IN SOIL, WATER, SEWAGE AND SLUDGES, AND ON VEGETATION. I. BACTERIAL AND VIRUS DISEASES. *COLIFORM*TYPHOSA*TUBERCULOSIS*	CA2ONLR -72B0480- -
COLIFORM	PATHOGEN SURVIVAL IN COMPOSTING MUNICIPAL WASTES. *SALMONELLA*COLIFORM*SHIGELLA*BACTERIA*ASCARIS*ENDAMOEBAS*	CA2ONLR -72B0418- -
COLIFORM	SURVIVAL OF SALMONELLA TYPHOSA DURING ANAEROBIC DIGESTION. *COLIFORM*BACTERIA*	CA2ONLR -72B0501- -
COLIFORM	ANIMAL PARASITES IN SEWAGE AND IRRIGATION WATER. *DENVER*ASCARIS*HELMINTHS*COLIFORM*ENTEROCOCCI*ENDAMOEBAS*	CA2ONLR -72B0509- -
COLIFORM	ISOLATION OF ENTERIC VIRUSES AND SALMONELLA FROM SEWAGE. *POLIO*COXSACKIE*ECHO*COLIFORM*ENTEROCOCCI*	CA2ONLR -72B0487- -
COLIFORM	INVESTIGATIONS ON THE SPREAD OF BACTERIA CAUSED BY IRRIGATION WITH WASTE WATER. *VEGETABLES*COLIFORM*SALMONELLA*	CA2ONLR -72B0358- -
COLIFORM	TRANSPORTING WASTES TO BUILD SOILS. *BACTERIA*COLIFORM*SALMONELLA*SHIGELLA*PENNSYLVANIA*	CA2ONLR -72B0137- -
COLIFORM	SEWAGE EFFLUENT DISPOSAL THROUGH CROP IRRIGATION. *COLIFORM*LEACHING*NITROGEN*PHOSPHORUS*MAGNESIUM*CALCIUM*SODIUM*POTASSIUM*	CA2ONLR -72B0161- -
COLIFORM	HOW SAFE IS SLUDGE? *ENTERIC BACILLI*SALMONELLA*SHIGELLA*COLIFORM*	CA2ONLR -72B0138- -
COLIFORM	THE EFFECT OF SEWAGE SLUDGE ON SOILS AND MICRO-ORGANISMS. *AZOTOBACTER*NITRATE*AMMONIUM*COLIFORM*BACTERIA*	CA2ONLR -72B0143- -
COLIFORM	SEWAGE RECLAIMED FOR IRRIGATION IN IN ISRAEL FARM OXIDATION PONDS. *BOD*COLIFORM*	CA2ONLR -72B0162- -
COLIFORM	THE RESULTS OF SANITARY AND HYGIENIC INVESTIGATIONS OF ASHKHARAD SEWAGE FARMS. *COLIFORM*HELMINTHS*PARASITES*	CA2ONLR -72B0193- -

	21. DEPURATION DE LA LAGUNE DE LA VILLE DE LA ROCHE-FOUCAULT (FRANCE) - EFFICACITE DE LA PURIFICATION ET EFFICACITE DE LA LAGUNE DE LA VILLE DE LA ROCHE-FOUCAULT. *COLIFORME*ACHILLES	CA20NLP -7280171- -
COLIFORM	A SURVEY OF THE PATHOGENIC ORGANISMS AND BACTERIAL FLORA IN COMPOSTS AND SEWAGE SLUDGE. *COLIFORM*PACIFICIA*E. COLI*	CA20NLP -7280225- -
COLIFORM	REMOVAL OF ENTERIC VIRUSES FROM SEWAGE BY ACTIVATED SLUDGE TREATMENT. *COLIFORM*COXSACKIE*COLIFORM*PACIFICIA*STREPTOCOCCI*	CA20NLP -7280541- -
COLIFORM	AGRICULTURAL APPLICATION OF DIGESTED SEWAGE SLUDGE. *TOXIC*ZINC*COLIFORM*AMMONIA TOXICITY*	CA20NLP -7280542- -
COLIFORM	AGRICULTURAL BENEFITS AND ENVIRONMENTAL CHANGES RESULTING FROM THE USE OF DIGESTED SEWAGE SLUDGE ON FIELD CROPS. *NITROGEN*PHOSPHORUS*POTASSIUM*CHROMIUM*CALCIUM*COPPER*LEAD*MANGANESE*NICKEL*ZINC*COLIFORM*VIRUS*	CA20NLP -7280540- -
COLIFORM	ISOLATION AND IDENTIFICATION OF ANAEROBIC AND FACULTATIVE BACTERIA PRESENT IN THE DIGESTION PROCESS. *COLIFORM*P. DOKX*	CA20NLP -7280553- -
COLIBACILL	PUBLIC HEALTH ASPECTS OF THE CONTAMINATION OF GROUNDWATER IN THE VICINITY OF DIRTY COLIBACILL.	CA20NLP -7280511- -
COMBINING	COMBINING CAPACITY OF ANAEROBIC DIGESTED SLUDGE FOR HEAVY METAL IONS. *COPPER*NICKEL*ZINC*	CA20NLP -7280136- -
COMMERCIAL	THE ECONOMIC PREPARATION AND SALE OF DIGESTED SLUDGE AS COMMERCIAL FERTILIZERS.	CA20NLP -7280368- -
COMMITTEE	SALVAGE OF SEWAGE: FINAL REPORT OF THE JOINT COMMITTEE OF THE SANITARY ENGINEERING DIVISION AND THE IRRIGATION DIVISION. *FERTILIZER*IRRIGATION*	CA20NLP -7280362- -
COMPLEMENTARY	COMPLEMENTARY RELATIONSHIPS BETWEEN RECLAMATION OF SURFACE MINED LAND AND SLUDGE DISPOSAL.	CA20NLP -7280167- -
COMPLETELY	CATTLESKIN TANNERY WASTE TREATMENT IN A COMPLETELY MIXED ACTIVATED SLUDGE PILOT PLANT. *CHROMIUM*REMOVAL*	CA20NLP -7280184- -
COMPLEX	COMPLEX REACTIONS OF ZINC WITH ORGANIC MATTER EXTRACTED FROM SEWAGE SLUDGE. *PH*	CA20NLP -7280371- -
COMPOST	REFUSE-SEWAGE COMPOST AS SOIL AMENDMENT AND FERTILIZER.	CA20NLP -7280378- -
COMPOST	COMPOST FOR AGRICULTURAL LAND?	CA20NLP -7280516- -
COMPOST	UTILIZATION AND DISPOSAL OF SEWAGE SLUDGE. *WET*DRY*COMPOST*	CA20NLP -7280114- -
COMPOSTED	THE EFFECT OF SEWAGE SLUDGE, COMPOSTED REFUSE AND AMMONIA LIQUOR ON CABBAGE YIELDS.	CA20NLP -7280040- -
COMPOSTED	THE EFFECT OF COMPOSTED TOWN REFUSE AND ACTIVATED SLUDGE ON PLANTS AND SOILS.	CA20NLP -7280395- -
COMPOSTED	SANITARY ASPECTS OF COMPOSTED SEWAGE SLUDGE AND SAWDUST. *BACTERIA*SALMONELLA*SHIGELLA*COLIFORM*	CA20NLP -7280483- -
COMPOSTING	EXPERIMENTS IN COMPOSTING DIGESTED SLUDGE AT AUSTIN TEXAS.	CA20NLP -7280456- -
COMPOSTING	PATHOGEN SURVIVAL IN COMPOSTING MUNICIPAL WASTES. *SALMONELLA*COLIFORM*SHIGELLA*BACTERIA*ASCARIS*FUSARIUM*	CA20NLP -7280418- -
COMPOSTING	COMPOSTING DEVELOPMENTS IN THE UNITED STATES.	CA20NLP -7280420- -
COMPOSTING	COMPOSTING AROUND THE WORLD.	CA20NLP -7280405- -
COMPOSTING	COMPOSTING TREE BARK WITH SEWAGE.	CA20NLP -7280078- -
COMPOSTING	COMPOSTING DENATORED SEWAGE SLUDGE. *LIME*FERRIC CHLORIDE*SALMONELLA*ASCARIS*POLIOVIRUS*CANDIDA*VIRUS*YEASTS*	CA20NLP -7280325- -
COMPOSTS	EIN ZWOLFJAHRIGER FREILANDVERSUCH ZUR WIRKUNG VON MULL-UND KLAUSCHLAMMKOMPOSTEN, STALLMIST UND STROH AUF ERTRAG, NAEHRSTOFF-UND HUMUSHAUSHALT DES BODENS (A TWELVE-YEAR FIELD TEST ON THE EFFECT OF REFUSE COMPOSTS AND S	CA20NLP -7280326- -
COMPOSTS	THE BODEN AND MANGANESE CONTENTS OF REFUSE-SLUDGE COMPOSTS.	CA20NLP -7280268- -

	THE AGRICULTURAL USE OF SEWAGE AND TOWN REFUSE COMPOSTS.	CA20NLP -7280062- -
COMPOSTS	PREPARATION OF REFUSE COMPOSTS AND REFUSE-SEWAGE-SLUDGES COMPOSTS AND TESTS OF THEIR MANURIAL VALUE.	CA20NLP -7280028- -
COMPOSTS	PREPARATION OF REFUSE COMPOSTS AND REFUSE-SEWAGE-SLUDGES COMPOSTS AND TESTS OF THEIR MANURIAL VALUE.	CA20NLP -7280028- -
COMPOSTS	THE CONTENTS OF BORON AND MANGANESE IN GARBAGE AND GARBAGE-SLUDGE COMPOSTS.	CA20NLP -7280121- -
COMPOSTS	POLLUTION *COMPOSTS*WASTE UTILIZATIONS*.	CA20NLP -7280129- -
COMPOSTS	ZUR VERWENDUNG VON STADTKOMPOSTEN IM ZIERPFLANZENBAU (USE OF MUNICIPAL WASTE COMPOSTS IN ORNAMENTAL PLANT GROWING).	CA20NLP -7280415- -
COMPOSTS	INVESTIGATIONS ON THE PLANT-AVAILABILITY OF N, P, AND K, IN TOWN REFUSE AND REFUSE-SEWAGE SLUDGE COMPOSTS.	CA20NLP -7280211- -
COMPOSTS	A SURVEY OF THE PATHOGENIC ORGANISMS AND HELMINTHIC OVA IN COMPOSTS AND SEWAGE SLUDGE. *COLIFORM*BACTERIA*SALMONELLA*VIRUS*	CA20NLP -7280225- -
COMPOSTS	A CONTRIBUTION TO THE CHARACTERIZATION OF ORGANIC MATTER IN TOWN-REFUSE COMPOSTS AND SEWAGE SLUDGES AND IN OTHER HUMUS FERTILIZERS PREPARED FROM THEM. *ANALYTICAL*	CA20NLP -7280210- -
COMPUTER	A STUDY OF WASTEWATER IRRIGATION THROUGH COMPUTER SIMULATION.	CA20NLP -7280099- -
COMPUTER	A COMPUTER MODEL FOR STORAGE AND LAND DISPOSAL OF ANIMAL WASTES.	CA20NLP -7280298- -
CONDITIONER	HOW CITIES DISTRIBUTE SLUDGE AS A SOIL CONDITIONER.	CA20NLP -7280289- -
CONDITIONER	ADAPTABILITY OF SEWAGE SLUDGE AS A FERTILIZER. *ACTIVATED*DIGESTED*MANURE*CONDITIONER*NITROGEN*PHOSPHORUS*POTASSIUM*	CA20NLP -7280087- -
CONDITIONER	SEWAGE SLUDGE AS SOIL CONDITIONER.	CA20NLP -7280064- -
CONDITIONER	SEWAGE SLUDGE AS SOIL CONDITIONER.	CA20NLP -7280066- -
CONDITIONING	SEWAGE SLUDGE CONDITIONING AND DISINFECTION BY GAMMA IRRADIATION. *COLIFORM*STREPTOCOCCAL*FECAL*	CA20NLP -7280119- -
CONDITIONING	DO'S AND DON'T'S OF USING SLUDGE FOR SOIL CONDITIONING AND FERTILIZING.	CA20NLP -7280454- -
CONDITIONING	EFFECTS OF SLUDGE CONDITIONING WITH LIME ON DEWATERING.	CA20NLP -7280403- -
CONDUCTIVITY	STUDIES OF WASTE WATER RECLAMATION AND UTILIZATION. *REVIEW*CALCIUM*MAGNESIUM*SODIUM*POTASSIUM*AMMONIUM*SULFUR*NITRATE*BORON*CONDUCTIVITY*CALIFORNIA*	CA20NLP -7280024- -
CONFERENCE	WATER RECLAMATION AND REFUSE DISPOSAL. - A REPORT ON THE 13TH ANNUAL CONFERENCE OF THE CALIF. SEWAGE AND INDUSTRIAL WASTES ASSOC.	CA20NLP -7280239- -
CONSERVATION	CONSERVATION POTENTIAL OF SEWAGE SLUDGE.	CA20NLP -7280468- -
CONTAINED	STATE OF THE DEHYDROGENASE ACTIVITY OF AQUATIC BACTERIA, THEIR GROWTH, AND B.O.D. UNDER CONDITIONS INVOLVING THE ACTION OF INORGANIC MATTER CONTAINED IN INDUSTRIAL WASTE WATERS. *CADMIUM*COPPER*COBALT*NICKEL*ZINC*	CA20NLP -7280410- -
CONTAMINANTS	LEAD, MERCURY, AND CADMIUM AS ENVIRONMENTAL CONTAMINANTS.	CA20NLP -7280499- -
CONTAMINATED	THE IRRIGATION OF TRUCK CROPS WITH SEWAGE CONTAMINATED WATER. *SALMONELLA*TYPHUS*AMOEBA*ASCARIS*HELMINTHS*	CA20NLP -7280109- -
CONTAMINATION	AGRICULTURAL UTILIZATION OF SEWAGE AS ARTIFICIAL RAIN. *CONTAMINATION*	CA20NLP -7280127- -
CONTAMINATION	BACTERIAL CONTAMINATION OF SOIL AND VEGETABLES IN FIELDS AFTER SEASONAL SEWAGE IRRIGATION IN THE SOUTHERN UKRAINE. *COLIFORM*	CA20NLP -7280059- -
CONTAMINATION	PUBLIC HEALTH ASPECTS OF THE CONTAMINATION OF GROUNDWATER IN THE VICINITY OF DENVER, COLORADO.	CA20NLP -7280511- -

CONTAMINATION	CONTAMINATION OF SOIL BY EGGS OF HELMINTHS IN FIELDS OF THE CITY OF KEDAINIAI IRRIGATED WITH WASTE WATERS.	CA20NLR -7280363- -
CONTAMINATION	METAL CONTAMINATION OF SOIL IN WOBURN MARKET-GARDEN EXPERIMENT RESULTING FROM APPLICATION OF SEWAGE SLUDGE. *COBALT*CHROMIUM*COPPER*MOLYBDENUM*NICKEL*LEAD*ZINC*	CA20NLR -7280246- -
CONTAMINATION	CONTAMINATION OF VEGETABLES GROWN IN POLLUTED SOIL. III. FIELD STUDIES ON ASCARIS EGGS.	CA20NLR -7280347- -
CONTAMINATION	CONTAMINATION OF VEGETABLES GROWN IN POLLUTED SOIL: I. BACTERIAL CONTAMINATION. *COLIFORM*SHIGELLA*SALMONELLA*	CA20NLR -7280349- -
CONTAMINATION	CONTAMINATION OF VEGETABLES GROWN IN POLLUTED SOIL. IV. BACTERIAL DECONTAMINATION. *COLIFORM*SEWAGE*	CA20NLR -7280346- -
CONTAMINATION	CONTAMINATION OF VEGETABLES GROWN IN POLLUTED SOIL. II. FIELD AND LABORATORY STUDIES ON ENDAMOEBIA CYSTS. *SEWAGE*	CA20NLR -7280348- -
CONTAMINATION	CONTAMINATION OF VEGETABLES GROWN IN POLLUTED SOIL: I. BACTERIAL CONTAMINATION. *COLIFORM*SHIGELLA*SALMONELLA*	CA20NLR -7280349- -
CONTAMINATION	CONTAMINATION OF VEGETABLES GROWN IN POLLUTED SOIL. V. HELMINTHIC DECONTAMINATION. *ASCARIS*SEWAGE*	CA20NLR -7280345- -
CONTAMINATION	CONTAMINATION OF VEGETABLES GROWN IN POLLUTED SOIL: VI. APPLICATION OF RESULTS.	CA20NLR -7280344- -
CONTAMINATION	INCIDENCE OF CHROMIUM CONTAMINATION OF GROUNDWATER IN MICHIGAN.	CA20NLR -7280549- -
CONTAMINATION	HEAVY METAL CONTAMINATION OF SOILS. *SEWAGE*SLUDGE*COPPER*ZINC*MANGANESE*NICKEL*ALUMINUM*MERCURY*CADMIUM*LEAD*REVIEW*	CA20NLR -7280535- -
CONTRACT	THEY HAUL SLUDGE ON CONTRACT.	CA20NLR -7280416- -
CONVERSION	CONVERSION TO ACTIVATED SLUDGE AT UNION CARBIDES INSTITUTE PLANT.	CA20NLR -7280260- -
COOL	NUTRIENT REMOVAL FROM ENRICHED WASTE EFFLUENT BY THE HYDROPONIC CULTURE OF COOL SEASON GRASSES.	CA20NLR -7280472- -
COPENHAGEN	METAL CONTENT IN SLUDGE FROM WASTE WATER TREATMENT PLANTS IN THE SURROUNDINGS OF COPENHAGEN. *CHROMIUM*MANGANESE*NICKEL*COBALT*ZINC*CADMIUM*COPPER*LEAD*IRON*	CA20NLR -7280281- -
COPPER	INCUBATION STUDY OF NITRIFICATION OF DIGESTED SEWAGE SLUDGE ADDED TO SOIL. *COPPER*ZINC*MANGANESE*CHROMIUM*AMMONIUM*	CA20NLR -7280267- -
COPPER	POLAROGRAPHIC DETERMINATION OF METALS IN SEWAGE AND SEWAGE SLUDGES. *ANALYTICAL*COPPER*IRON*CHROMIUM*CADMIUM*NICKEL*ZINC*	CA20NLR -7280277- -
COPPER	METAL CONTAMINATION OF SOIL IN WOBURN MARKET-GARDEN EXPERIMENT RESULTING FROM APPLICATION OF SEWAGE SLUDGE. *COBALT*CHROMIUM*COPPER*MOLYBDENUM*NICKEL*LEAD*ZINC*	CA20NLR -7280246- -
COPPER	TRACE ELEMENT REMOVAL FROM SEWAGE EFFLUENT BY SOIL FILTRATION. *IRON*MANGANESE*NICKEL*COPPER*ZINC*LEAD*CADMIUM*LEACHING*	CA20NLR -7280247- -
COPPER	EIN BEITRAG ZUR DEN URSACHEN DER RIESELKRAUKHEIT VON BODEN (CAUSES OF SEWAGE SICKNESS IN SOILS). *IRON*ZINC*COBALT*TOXICITY*CYANIDE*LIMIT*CYANAMIDE*	CA20NLR -7280357- -
COPPER	THE EFFECTS OF TRACE ELEMENTS ON THE EXHAUSTION OF SEWAGE-IRRIGATED LAND. *FRANCE*GERMANY*COPPER*ZINC*TOXICITY*MANGANESE*SODIUM*COBALT*MOLYBDENUM*IRON*	CA20NLR -7280352- -
COPPER	SEWAGE SLUDGE AS FERTILIZER. *NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*LEAD*MAGNESIUM*COPPER*IRON*ALUMINUM*ZINC*ARSENIC*BARIUM*SULFUR*MANGANESE*BISMUTH CHLORINE*TOLEDO*	CA20NLR -7280299- -
COPPER	METAL CONTENT IN SLUDGE FROM WASTE WATER TREATMENT PLANTS IN THE SURROUNDINGS OF COPENHAGEN. *CHROMIUM*MANGANESE*NICKEL*COBALT*ZINC*CADMIUM*COPPER*LEAD*IRON*	CA20NLR -7280281- -
COPPER	OBSERVATIONS ON SOME MINERALS AND B VITAMINS IN SEWAGE AND SLUDGES. *PHOSPHORUS*SULFATE*SULFIDE*IRON*CALCIUM*MAGNESIUM*COPPER*ZINC*CHROMIUM*NICKEL*MOLYBDENUM*COBALT*	CA20NLR -7280478- -

COPPER	SPECTROGRAPHIC ANALYSIS OF AIR-DRIED SEWAGE SLUDGE. *ALUMINIUM*CALCIUM*IRON*MAGNESIUM*TITANIUM*BARIUM*COPPER*MANGANESE*SODIUM*NICKEL*TIN*VANADIUM*ZINC*SILVER*ZIRCONIUM*BORON*BERYLLIUM*CHROMIUM*COBALT*GALLIUM*MOLYBDENUM*	CA2ONLP -7280469- - CA2ONLR -7280430- -
COPPER	MICRONUTRIENTS IN AGRICULTURE. *COPPER*ZINC*IRON*BORON*MANGANESE*MOLYBDENUM*	CA2ONLR -7280431- -
COPPER	CORRECTION OF MICRONUTRIENT DEFICIENCIES WITH FERTILIZERS. *BORON*COPPER*ZINC*IRON*MANGANESE*MOLYBDENUM*	CA2ONLP -7280410- -
COPPER	STATE OF THE DEHYDROGENASE ACTIVITY OF AQUATIC BACTERIA, THEIR GROWTH, AND B.O.D. UNDER CONDITIONS INVOLVING THE ACTION OF INORGANIC MATTER CONTAINED IN INDUSTRIAL WASTE WATERS. *CADMIUM*COPPER*COBALT*NICKEL*ZINC*	CA2ONLR -7280379- -
COPPER	THE FATE OF COPPER DURING TREATMENT OF SEWAGE. *SLUDGE*LIME*ALUM*	CA2ONLR -7280399- -
COPPER	INTERACTIONS BETWEEN BLUE-GREEN ALGAE AND HEAVY METALS. *ZINC*NICKEL*CADMIUM*COPPER*SLUDGE*	CA2ONLR -7280361- -
COPPER	"MILORGANITE" AS A SOURCE OF MINOR NUTRIENT ELEMENTS FOR PLANTS. *BORON*COPPER*MANGANESE*ZINC*	CA2ONLR -7280370- -
COPPER	ON TOXICITY OF WASTE WATERS FROM MINING AND METALLURGICAL INDUSTRIES. *COPPER*LEAD*ZINC*	CA2ONLR -7280384- -
COPPER	LAND IN SEWAGE PURIFICATION. *SLUDGE*IRRIGATION*COPPER*CHROMIUM*NICKEL*	CA2ONLR -7280502- -
COPPER	DISPOSAL OF MUNICIPAL WASTE WATER THROUGH FOREST IRRIGATION. *PENNSYLVANIA*NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*MAGNESIUM*MANGANESE*IRON*COPPER*BORON*ALUMINUM*ZINC*SODIUM*SEWAGE*	CA2ONLR -7280512- -
COPPER	MICRONUTRIENT SOIL TESTS. *BORON*COPPER*IRON*MANGANESE*MOLYBDENUM*ZINC*	CA2ONLR -7280498- -
COPPER	OCCURRENCE OF MANGANESE, COPPER, ZINC, MOLYBDENUM AND COBALT IN PHOSPHATE FERTILIZERS AND SEWAGE.	CA2ONLR -7280492- -
COPPER	ADSORPTION REACTIONS OF MICRONUTRIENTS IN SOILS. *COPPER*ZINC*BORON*MOLYBDENUM*IRON*MANGANESE*	CA2ONLR -7280522- -
COPPER	FERTILIZER AND FERTILITY VALUE OF SEWAGE SLUDGE. *NITROGEN*PHOSPHORUS*POTASSIUM*ALUMINUM*CALCIUM*MAGNESIUM*MANGANESE*SODIUM*TITANIUM*COPPER*BARIUM*ZINC*LEAD*NICKEL*COBALT*SULFUR*CHROMIUM*ARSENIC*BORON*IODINE*GREASE*LEAD*	CA2ONLR -7280535- -
COPPER	HEAVY METAL CONTAMINATION OF SOILS. *SEWAGE*SLUDGE*COPPER*ZINC*MANGANESE*NICKEL*ALUMINUM*MERCURY*CADMIUM*LEAD*REVIEW*	CA2ONLR -7280566- -
COPPER	EFFECT OF DIFFERENT LEVELS OF COPPER AND ZINC ADDED AS ADSORBED CATIONS OF SOIL.	CA2ONLR -7280540- -
COPPER	AGRICULTURAL BENEFITS AND ENVIRONMENTAL CHANGES RESULTING FROM THE USE OF DIGESTED SEWAGE SLUDGE ON FIELD CROPS. *NITROGEN*PHOSPHORUS*POTASSIUM*CHROMIUM*CADMIUM*COPPER*LEAD*MANGANESE*NICKEL*ZINC*COLIFORM*VIRUS*	CA2ONLR -7280073- -
COPPER	FERTILIZING CHARACTERISTICS OF SEWAGE SLUDGE. *NITROGEN*NITRIFICATION*PHOSPHORUS*POTASSIUM*COPPER*ZINC*BORON*MANGANESE*MOLYBDENUM*	CA2ONLR -7280072- -
COPPER	COMPARATIVE ANALYSIS OF SEWAGE SLUDGE. *NITROGEN*PHOSPHORUS*COPPER*ZINC*BORON*MANGANESE*MOLYBDENUM*NITRIFICATION*ACTIVATED*DIGESTED*	CA2ONLR -7280125- -
COPPER	FACTS DETERMINING TOXICITY OF COPPER IN THE FIELD OF BIOLOGICAL SEWAGE TREATMENT-ESPECIALLY IN THE FIELD OF ACTIVATED SLUDGE PROCESS.	CA2ONLR -7280104- -
COPPER	LEVEL OF TRACE ELEMENTS (NICKEL, COBALT, AND COPPER) IN PLANTS GROWING IN SLURRY FIELDS OF ALUMINUM PRODUCTION.	CA2ONLR -7280034- -
COPPER	SOME CHANGES IN POLLUTED WATER DURING PERCOLATION THROUGH SOIL. *COPPER*NICKEL*CHROMIUM*MANGANESE*ZINC*LEAD*IRON*AMMONIUM*	CA2ONLR -7280021- -
COPPER	UTILIZATION OF URBAN WASTES IN CROP PRODUCTION. *GARBAGE*SLUDGE*BORON*COPPER*LEAD*MANGANESE*ZINC*NICKEL*CHROMIUM*CADMIUM*EFFLUENT*	CA2ONLR -7280051- -
COPPER	THE USE OF INDUSTRIAL PRODUCTS AS FERTILIZERS WITH TRACE ELEMENTS IN ROMANIA. *COBALT*IRON*MANGANESE*CONTENT*LEAD*ZINC*COPPER*SULFUR*	

COPPER	EFFECTS OF HEAVY METAL IONS ON THE GROWTH OF MICROORGANISMS. *ZINC*NICKEL*COBALT*COPPER*BACTERIA*YEASTS*MOLDS*TOXIC*	CA20NLR -72B0018- -
COPPER	EFFECT OF ADDITION OF COPPER, MANGANESE, ZINC, AND CHROMIUM COMPOUNDS ON AMMONIFICATION AND NITRIFICATION DURING INCUBATION OF SOIL. *TOXIC*AERATION*	CA20NLR -72B0037- -
COPPER	COMPOSITION AND NITRIFICATION CHARACTERISTICS OF SOME SEWAGE AND INDUSTRIAL SLUDGES. *ACTIVATED*DIGESTED*NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*MAGNESIUM*COPPER*BORON*MANGANESE*MOLYBDENUM*ZINC* SULFUR*PH*	CA20NLR -72B0011- -
COPPER	OCCURRENCE OF MANGANESE, COPPER, ZINC, MOLYBDENUM, AND COBALT IN PHOSPHATE FERTILIZERS AND SEWAGE SLUDGE.	CA20NLR -72B0012- -
COPPER	THE OCCURRENCE OF COPPER IN WATER, SEWAGE, AND SLUDGE AND ITS EFFECT ON SLUDGE DIGESTION. *TOXIC*CALCIUM*MAGNESIUM*PHOSPHORUS*MANGANESE*IRON*ALUMINIUM*ZINC*BORON*NICKEL*CHROMIUM*CADMIUM*	CA20NLR -72B0231- -
COPPER	TRACE ELEMENTS IN SEWAGE SLUDGE. *ZINC*CHROMIUM*COPPER*NICKEL*TIN*SILVER*BISMUTH*LEAD*MANGANESE*VANADIUM*TOXICITY*	CA20NLR -72B0208- -
COPPER	METALS IN MUNICIPAL SEWERAGE SYSTEMS. *CHROMIUM*ZINC*COPPER*NICKEL*LEAD*MANGANESE*TITANIUM*	CA20NLR -72B0223- -
COPPER	THE SOLUBILITY OF HEAVY METAL HYDROXIDES IN WATER, SEWAGE AND SEWAGE SLUDGE. II. THE PRECIPITATION OF METALS IN SEWAGE. *COPPER*NICKEL*ZINC*IRON*	CA20NLR -72B0190- -
COPPER	THE SOLUBILITY OF HEAVY METAL HYDROXIDES IN WATER, SEWAGE AND SEWAGE SLUDGE. I. THE SOLUBILITY OF SOME METAL HYDROXIDES. *COPPER*NICKEL*CHROMIUM*CADMIUM*	CA20NLR -72B0191- -
COPPER	FEASIBILITY OF RADIOISOTOPE X-RAY FLUORESCENCE ANALYSIS FOR MEASURING WATER POLLUTION BY METALS. *ANALYTICAL*IRON*COPPER*LEAD*ZINC*MERCURY*CADMIUM*	CA20NLR -72B0169- -
COPPER	THE SOLUBILITY OF HEAVY METAL HYDROXIDES IN WATER, SEWAGE AND SEWAGE SLUDGE. III. THE SOLUBILITY OF HEAVY METALS PRESENT IN DIGESTED SEWAGE SLUDGE *NICKEL*IRON*ZINC*COPPER*SODIUM*POTASSIUM*CALCIUM*	CA20NLR -72B0192- -
COPPER	THE EFFECT OF FLOODING AND AERATION ON THE MOBILITY OF CERTAIN TRACE ELEMENTS IN SOILS. *LEAD*COPPER*NICKEL*ZINC*COBALT*MANGANESE*CHROMIUM*OXIDATION*REOXIDATION*VANADIUM*MOLYBDENUM*	CA20NLR -72B0134- -
COPPER	COMBINING CAPACITY OF ANAEROBIC DIGESTED SLUDGE FOR HEAVY METAL IONS. *COPPER*NICKEL*ZINC*	CA20NLR -72B0136- -
CORN	CALIFORNIA REGULATES USE OF SEWAGE FOR CROP IRRIGATION. *VEGETABLES*FRUIT*FORAGE*GRAIN*CORN*BACTERIA*	CA20NLR -72B0360- -
CORN	ACTIVATED SLUDGE AS A FERTILIZER FOR COTTON AND CORN.	CA20NLR -72B0482- -
CORN	EFFLUENT GROWS CROPS ON "SEWER FARM." *COTTON*CORN*	CA20NLR -72B0328- -
CORN	EFFLUENT FOR IRRIGATION. *SLUDGE*COTTON*CORN*	CA20NLR -72B0353- -
CORN	EFFECTS ON CORN BY APPLICATIONS OF HEATED ANAEROBICALLY DIGESTED SLUDGE.	CA20NLR -72B0259- -
COTTON	EFFLUENT FOR IRRIGATION. *SLUDGE*COTTON*CORN*	CA20NLR -72B0353- -
COTTON	EFFLUENT GROWS CROPS ON "SEWER FARM." *COTTON*CORN*	CA20NLR -72B0328- -
COTTON	ACTIVATED SLUDGE AS A FERTILIZER FOR COTTON AND CORN.	CA20NLR -72B0482- -
COTTON	SEWAGE IRRIGATION IN TEXAS. *GRAINS*COTTON*ALFALFA*FORAGE*NUTS*CITRUS	CA20NLR -72B0140- -
COTTON	SEWAGE IRRIGATION AS A METHOD OF DISPOSAL. *COTTON*	CA20NLR -72B0152- -
COUNTY	RECLAMATION OF WATER FROM SEWAGE AND INDUSTRIAL WASTES IN LOS ANGELES COUNTY.	CA20NLR -72B0241- -
COXSACKIE	ISOLATION OF ENTERIC VIRUSES AND SALMONELLA FROM SEWAGE. *POLIO*COXSACKIE*ECHO*COLIFORM*ENTEROCOCCI*	CA20NLR -72B0437- -
COXSACKIE	REMOVAL OF ENTEROVIRUSES FROM SEWAGE BY ACTIVATED SLUDGE. *POLIO*VIRUS*COXSACKIE*BACTERIOPHAGE*	CA20NLR -72B0489- -

COXSACKIE	REMOVAL OF ENTERIC VIRUSES FROM SEWAGE BY ACTIVATED SLUDGE TREATMENT. *POLIOVIRUS*COXSACKIE*COLIFORM*BACTERIA*STREPTOCOCCI*	CA20NLR -7280561- -
CROP	DIGESTED SLUDGE DISPOSAL ON CROP LAND. *NITRATE*HEAVY METALS*CHICAGO*	CA20NLR -7280541- -
CROP	RELATIVE EFFICACY OF SEWAGE AS COMPARED TO AMMONIUM SULPHATE AND SUPERPHOSPHATE ON EQUIVALENT BASIS IN BERSEEM CROP-EGYPTIAN CLOVER.	CA20NLR -7280392- -
CROP	SEWAGE EFFLUENT DISPOSAL THROUGH CROP IRRIGATION. DISCUSSION.	CA20NLR -7280438- -
CROP	CALIFORNIA REGULATES USE OF SEWAGE FOR CROP IRRIGATION. *VEGETABLES*FRUIT*FORAGE*GRAIN*CORN*BACTERIA*	CA20NLR -7280360- -
CROP	SEWAGE EFFLUENT DISPOSAL THROUGH CROP IRRIGATION. *COLIFORM*LEACHING*NITROGEN*PHOSPHORUS*MAGNESIUM*CALCIUM*SODIUM*POTASSIUM*	CA20NLR -7280161- -
CROP	UTILIZATION OF SEWAGE FOR CROP IRRIGATION IN ISRAEL.	CA20NLR -7280164- -
CROP	CROP PRODUCTION AND SOIL ANALYSIS AS AFFECTED BY APPLICATIONS OF CATTLE FEEDLOT WASTE.	CA20NLR -7280229- -
CROP	CROP RESPONSE TO SEWAGE EFFLUENT.	CA20NLR -7280200- -
CROP	THE EFFECT OF APPLICATION OF DIFFERENT DUNGS AND WASTE MATERIALS ON CROP YIELD.	CA20NLR -7280053- -
CROP	UTILIZATION OF URBAN WASTES IN CROP PRODUCTION. *GARBAGE*SLUDGE*BORON*COPPER*LEAD*MANGANESE*ZINC*NICKEL*CHROMIUM*CADMIUM*EFFLUENT*	CA20NLR -7280021- -
CROP	COMPARISONS OF FARMYARD MANURE, SEWAGE SLUDGE, AND OTHER ORGANIC MANURES TESTED ON POTATOES AND A SUCCEEDING CEREAL CROP AT ROTHAMSTED.	CA20NLR -7280131- -
CROP	CROP IRRIGATION WITH SEWAGE PLANT EFFLUENT.	CA20NLR -7280112- -
CROP	EFFECT OF FILTER-PRESS CAKE ON CROP YIELDS AND SOIL PROPERTIES.	CA20NLR -7280079- -
CROPS	TREATED SEWAGE IRRIGATES CROPS.	CA20NLR -7280067- -
CROPS	THE IRRIGATION OF TRUCK CROPS WITH SEWAGE CONTAMINATED WATER. *SALMONELLA*TYPHUS*AMOEBA*ASCARIS*HELMINTHS*	CA20NLR -7280108- -
CROPS	STUDIES ON THE USE OF SEWAGE EFFLUENT FOR IRRIGATION FOR TRUCK CROPS. *SALMONELLA*ASCARIS*ENDAMOEBA COLI*	CA20NLR -7280109- -
CROPS	LIQUID DIGESTED SEWAGE SLUDGE GIVES FIELD CROPS NECESSARY NUTRIENTS.	CA20NLR -7280238- -
CROPS	TEXAS APPROVES IRRIGATION OF ANIMAL CROPS WITH SEWAGE PLANT EFFLUENTS. *BACTERIA*HELMINTHS*AMOEBA*ASCARIS*SLUDGE*	CA20NLR -7280163- -
CROPS	USE OF SEWAGE EFFLUENT FOR PRODUCTION OF AGRICULTURAL CROPS.	CA20NLR -7280154- -
CROPS	EFFLUENT GROWS CROPS ON "SEWER FARM." *COTTON*CORN*	CA20NLR -7280328- -
CROPS	WYNIKI DOŚWIADCZEŃ Z NAWODNIENIEM ROSLIN UPRAWNYCH MIEJSKIMI WODAMI SCIEKOWYMI SYSTEMEM SMUŻNYM I BRUŻDOWYM W KAMIENCU WROCŁAWSKIM. (RESULTS OF TRIALS IN KAMIENIEC WROCŁAWSKI AND IRRIGATION OF CROPS WITH SEWAGE).	CA20NLR -7280255- -
CROPS	PLANT EXPERIMENTS WITH SEWAGE SLUDGE FROM HELSINGFORS. *OATS*CULTURE*CROPS*	CA20NLR -7280450- -
CROPS	THE EFFECT OF LIME-CONTAINING INDUSTRIAL WASTES ON GROWTH AND DEVELOPMENT ON SEVERAL FARM CROPS AND PRODUCT QUALITY.	CA20NLP -7280404- -
CROPS	EXPERIMENTS IN EAST HERTFORDSHIRE ON THE USE OF LIQUID DIGESTED SLUDGE AS A MANURE FOR CERTAIN FARM CROPS.	CA20NLR -7280491- -
CROPS	AGRICULTURAL BENEFITS AND ENVIRONMENTAL CHANGES RESULTING FROM THE USE OF DIGESTED SEWAGE SLUDGE ON FIELD CROPS. *NITROGEN*PHOSPHORUS*POTASSIUM*CHROMIUM*CADMIUM*COPPER*LEAD*MANGANESE*NICKEL*ZINC*COLIFORM*VIRUS*	CA20NLR -7280540- -

CRUCIAL	SCHLUSSEFOLGERUNGEN AUS DEN ERGEBNISSEN DER BEITRAGE DES SCHWERPUNKTHEFTES ABWASSERSCHLAMMVERWERTUNG RIBUTIONS TO THE CRUCIAL ISSUE --USE OF SEWAGE SLUDGE).	CA20NLP -7280178- -
CULTIVATED	EFFICIENCY OF COMBINED APPLICATION OF MINERAL FERTILIZERS AND SEWAGE TO CULTIVATED PASTURES.	CA20NLP -7280069- -
CULTURE	EFFECTS OF ORGANIC AMENDMENTS ON MANGANESE TOXICITY IN POTATOES AS MEASURED BY SAND AND SOIL CULTURE STUDIES.	CA20NLP -7280015- -
CULTURE	RESPIRATORY RELATIONS OF A SYMBIOTIC ALGAL-BACTERIAL CULTURE FOR WASTE WATER NUTRIENT REMOVAL. *ACTIVATED*SLUD	CA20NLP -7280175- -
CULTURE	GF*CHLORELLA*SEWAGE*TREATMENT*	CA20NLP -7280450- -
CULTURE	PLANT EXPERIMENTS WITH SEWAGE SLUDGE FROM HELSINGFORS. *OATS*CULTURE*CROPS*	CA20NLP -7280472- -
CULTURE	NUTRIENT REMOVAL FROM ENRICHED WASTE EFFLUENT BY THE HYDROPONIC CULTURE OF COOL SEASON GRASSES.	CA20NLP -7280466- -
CULTURE	ENRICHMENT CULTURE STUDIES ON AEROBIC AND FACULTATIVE ANAEROBIC BACTERIA FOUND IN ANAEROBIC DIGESTERS. *BACILL	CA20NLP -7280357- -
CYANAMIDE	EIN BEITRAG ZUR DEN URSACHEN DER RIESELMUDIGKEIT VON BODEN (CAUSES OF SEWAGE SICKNESS IN SOILS). *IRON*ZINC*CO	CA20NLP -7280357- -
CYANIDE	PPER*TOXICITY*CYANIDE*LIME*CYANAMIDE*	CA20NLP -7280173- -
CYANIDE	CHEMICAL PROPERTIES OF DIGESTED SLUDGES AND THEIR USEFUL APPLICATION IN WASTE TREATMENT. *EXCHANGE CAPACITY*CO	CA20NLP -7280348- -
CYSTS	CONTAMINATION OF VEGETABLES GROWN IN POLLUTED SOIL. II. FIELD AND LABORATORY STUDIES ON ENDAMOEBIA CYSTS. *SEWA	CA20NLP -7280174- -
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DECONTAMINATION	DECCMPOSITION OF THIOUREAS BY A PENICILLIUM SPECIES AND SOIL AND SEWAGE-SLUDGE MICROFLORA.	CA20NLP -7280345- -
DECONTAMINATION	CONTAMINATION OF VEGETABLES GROWN IN POLLUTED SOIL. V. HELMINTHIC DECONTAMINATION. *ASCARIS*SEWAGE*	CA20NLP -7280346- -
DECONTAMINATION	CONTAMINATION OF VEGETABLES GROWN IN POLLUTED SOIL. IV. BACTERIAL DECONTAMINATION. *COLIFORM*SEWAGE*	CA20NLP -7280220- -
DEFICIENCIES	A STUDY OF THE ROLE OF ALGAE IN THE SELF-DECONTAMINATION OF SEWAGE FARMS FROM ASCARID EGGS.	CA20NLP -7280431- -
DEGRADATION	CORRECTION OF MICRONUTRIENT DEFICIENCIES WITH FERTILIZERS. *BORON*COPPER*ZINC*IRON*MANGANESE*MOLYBDENUM*	CA20NLP -7280517- -
DEGRADATION	DEGRADATION OF WASTEWATER ORGANICS IN SOIL.	CA20NLP -7280355- -
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DENVER	STATE OF THE DEHYDROGENASE ACTIVITY OF AQUATIC BACTERIA, THEIR GROWTH, AND B.O.D. UNDER CONDITIONS INVOLVING T	CA20NLP -7280509- -
DENVER	ANIMAL PARASITES IN SEWAGE AND IRRIGATION WATER. *DENVER*ASCARIS*HELMINTHS*COLIFORM*ENTEROCOCCI*ENDAMOEBIA*	CA20NLP -7280506- -
DESIGN	EXPERIENCES WITH THE SLUDGE PROGRAM IN THE DENVER AREA. *INCINERATION*LAND*	CA20NLP -7280356- -
	FACTORS INFLUENCING THE DESIGN AND OPERATION OF SOIL SYSTEMS FOR WASTE TREATMENT. *LEACHING*NITRATE*NITRITE*AM	
	MILIUM*ABS*COLIFORM*BACTERIA*COD*POD*	

DESTRUCTION	EFFECTIVENESS OF HIGH PH FOR DESTRUCTION OF PATHOGENS IN RAW SLUDGE FILTER CAKE. *BACTERIA*SALMONELLA TYPHOSA* LIME*COLIFORM*	CA20NLR -7280101- -
DETERMINATION	POLAROGRAPHIC DETERMINATION OF METALS IN SEWAGE AND SEWAGE SLUDGES. *ANALYTICAL*COPPER*IRON*CHROMIUM*CADMIUM*NI CKEL*ZINC*	CA20NLR -7280277- -
DETERMINATION	DETERMINATION OF CADMIUM IN FERTILIZERS BY ATOMIC ABSORPTION SPECTROSCOPY. *BACTERIA*	CA20NLR -7280507- -
DETERMINATION	DETERMINATION OF PROTEIN CONTENT OF ANAEROBIC DIGESTING SLUDGE.	CA20NLR -7280156- -
DETERMINING	FACTS DETERMINING TOXICITY OF COPPER IN THE FIELD OF BIOLOGICAL SEWAGE TREATMENT-ESPECIALLY IN THE FIELD OF ACT IVATED SLUDGE PROCESS.	CA20NLR -7280125- -
DEWATERED	DISPOSAL OF DEWATERED FRESH SEWAGE SLUDGE. COLIFORM*SALMONELLA*BACTERIA*LIME*ALUM*PH*	CA20NLR -7280458- -
DEWATERED	COMPOSTING DEWATERED SEWAGE SLUDGE. *LIME*FERRIC CHLORIDE*SALMONELLA*ASCARIS*POLIOVIRUS*CANDIDA*VIRUS*YEASTS*	CA20NLR -7280325- -
DEWATERING	EFFECTS OF SLUDGE CONDITIONING WITH LIME ON DEWATERING.	CA20NLR -7280403- -
DEWATERING	FOCUS ON ZINC. 7. TREATMENT OF EFFLUENT FROM HOT DIP GALVANIZING. *IRON*HYDROXIDE*SLUDGE*DEWATERING*LIME*	CA20NLR -7280195- -
DIEG	UTILIZATION OF LIQUID SLUDGE. *FERTILIZER*BARLEY*NITROGEN*SAN DIEGO*	CA20NLR -7280226- -
DIETERSHEIM	BETRIEBSWIRTSCHAFTLICHE ERGEBNISSE DES STADTISCHEN GUTES DIETERSHEIM MIT DER UMSTELLUNG AUF ABWASSERSCHLAMMVER WERTUNG (RESULTS OF THE FARM MANAGEMENT OF THE MUNICIPAL FARM AT DIETERSHEIM AFTER THE ADAPTION TO THE UTI	CA20NLR -7280133- -
DIETERSHEIM	MIKROBIOLOGISCHE UNTERSUCHUNGEN IM ABWASSERFAULSCHLAMM- VERSUCH DIETERSHEIM (MICROBIOLOGICAL ANALYSES IN THE D IETERSHEIM TEST ON DIGESTED SEWAGE SLUDGE.	CA20NLR -7280300- -
DIETERSHEIM	MIKROBIOLOGISCHE UNTERSUCHUNGEN IM ABWASSERFAULSCHLAMM- VERSUCH DIETERSHEIM (MICROBIOLOGICAL ANALYSES IN THE D IETERSHEIM TEST ON DIGESTED SEWAGE SLUDGE.	CA20NLR -7280300- -
DIETERSHEIM	BETRIEBSWIRTSCHAFTLICHE ERGEBNISSE DES STADTISCHEN GUTES DIETERSHEIM MIT DER UMSTELLUNG AUF ABWASSERSCHLAMMVER WERTUNG (RESULTS OF THE FARM MANAGEMENT OF THE MUNICIPAL FARM AT DIETERSHEIM AFTER THE ADAPTION TO THE UTI	CA20NLR -7280133- -
DIGESTED	COMPOSITION AND NITRIFICATION CHARACTERISTICS OF SOME SEWAGE AND INDUSTRIAL SLUDGES. *ACTIVATED*DIGESTED*NITRO GEN*PHOSPHORUS*POTASSIUM*CALCIUM*MAGNESIUM*COPPER*BORON*MANGANESE*MOLYBDENUM*ZINC* SULFUR*PH*	CA20NLR -7280011- -
DIGESTED	VALUE OF LIQUID DIGESTED SEWAGE SLUDGE .3. RESULTS OF AN EXPERIMENT ON BARLEY.	CA20NLR -7280008- -
DIGESTED	VALUE OF LIQUID DIGESTED SEWAGE SLUDGE .1. EFFECT OF LIQUID SEWAGE SLUDGE ON GROWTH AND COMPOSITION OF GRASS-C LOVER SWARDS IN SOUTHEAST ENGLAND.	CA20NLR -7280010- -
DIGESTED	VALUE OF LIQUID DIGESTED SEWAGE SLUDGE .2. EXPERIMENTS ON RYEGRASS IN SOUTHEAST ENGLAND COMPARING SLUDGE WITH FERTILIZERS SUPPLYING EQUIVALENT NITROGEN, PHOSPHORUS AND WATER.	CA20NLR -7280009- -
DIGESTED	FUNGI IN SOILS OVER WHICH DIGESTED SEWAGE SLUDGE HAS BEEN SPREAD.	CA20NLR -7280004- -
DIGESTED	ADAPTABILITY OF SEWAGE SLUDGE AS A FERTILIZER. *ACTIVATED*DIGESTED*MANURE*CONDITIONER*NITROGEN*PHOSPHORUS*POTA SIUM*	CA20NLR -7280087- -
DIGESTED	COMPARATIVE ANALYSIS OF SEWAGE SLUDGE. *NITROGEN*PHOSPHORUS*COPPER*ZINC*BORON*MANGANESE*MOLYBDENUM*NITRIFICATI ON*ACTIVATED*DIGESTED*	CA20NLR -7280072- -
DIGESTED	SEWAGE SLUDGE FOR SOIL IMPROVEMENT. *REVIEW*NITRIFICATION*FERTILIZER*ACTIVATED*DIGESTED*NITROGEN*PHOSPHORUS*PO TASSIUM*	CA20NLR -7280071- -
DIGESTED	AGRICULTURAL VALUE OF SEWAGE SLUDGE. *DIGESTED*ACTIVATED*NITROGEN*PHOSPHORUS*POTASSIUM*NITRIFICATION*	CA20NLR -7280052- -
DIGESTED	DIGESTED SLUDGE DISPOSAL PRACTICES. *FERTILIZER*	CA20NLR -7280019- -

DIGESTED	MIKROBIOLOGISCHE UNTERSUCHUNGEN IM ABWASSERFAULSCHLAMM- VERSUCH DIETERSHEIM (MICROBIOLOGICAL ANALYSES IN THE DIETERSHEIM TEST ON DIGESTED SEWAGE SLUDGE).	CA20NLR -7280300- -
DIGESTED	INCUBATION STUDY OF NITRIFICATION OF DIGESTED SEWAGE SLUDGE ADDED TO SOIL. *COPPER*ZINC*MANGANESE*CHROMIUM*AMMONIUM*	CA20NLR -7280267- -
DIGESTED	FUJIGI IN SOILS OVER WHICH DIGESTED SEWAGE SLUDGE HAS BEEN SPREAD.	CA20NLR -7280265- -
DIGESTED	EFFECTS ON CORN BY APPLICATIONS OF HEATED ANAEROBICALLY DIGESTED SLUDGE.	CA20NLR -7280259- -
DIGESTED	COMBINING CAPACITY OF ANAEROBIC DIGESTED SLUDGE FOR HEAVY METAL IONS. *COPPER*NICKEL*ZINC*	CA20NLR -7280136- -
DIGESTED	DISPOSAL OF WET DIGESTED SLUDGE AT MARSHALL, MISSOURI.	CA20NLR -7280158- -
DIGESTED	CONCENTRATION OF A DIGESTED SLUDGE BY A RINSING METHOD AND CONDITIONS FOR ITS USE.	CA20NLR -7280230- -
DIGESTED	DIGESTED SEWAGE SLUDGE FOR SOIL IMPROVEMENT.	CA20NLR -7280240- -
DIGESTED	LIQUID DIGESTED SEWAGE SLUDGE GIVES FIELD CROPS NECESSARY NUTRIENTS.	CA20NLR -7280238- -
DIGESTED	CHEMICAL PROPERTIES OF DIGESTED SLUDGES AND THEIR USEFUL APPLICATION IN WASTE TREATMENT. *EXCHANGE CAPACITY*CONTENT*CYANIDE*	CA20NLR -7280173- -
DIGESTED	FUNFJAHRIGE ERERBNISSE EINES VERGLEICHENDEN FELDVERSUCHS MIT ABWASSERFAULSCHLAMMEN, STALL 41ST UND MINERALDUNGU NG AUG SANDBODEN (RESULTS OF A COMPARATIVE FIELD TEST OVER FIVE YEARS WITH DIGESTED SEWAGE SLUDGE, FARM YAR	CA20NLR -7280181- -
DIGESTED	THE SOLUBILITY OF HEAVY METAL HYDROXIDES IN WATER, SEWAGE AND SEWAGE SLUDGE. III. THE SOLUBILITY OF HEAVY METALS PRESENT IN DIGESTED SEWAGE SLUDGE *NICKEL*IRON*ZINC*COPPER*SODIUM*POTASSIUM*CALCIUM*	CA20NLR -7280192- -
DIGESTED	THE ECONOMIC PREPARATION AND SALE OF DIGESTED SLUDGE AS COMMERCIAL FERTILIZERS.	CA20NLR -7280368- -
DIGESTED	EXPERIMENTS IN COMPOSTING DIGESTED SLUDGE AT AUSTIN TEXAS.	CA20NLR -7280456- -
DIGESTED	REDUCTION OF DIGESTED SLUDGE VOLUME BY CONTROLLED RECIRCULATION.	CA20NLR -7280462- -
DIGESTED	EXPERIMENTS IN EAST HERTFORDSHIRE ON THE USE OF LIQUID DIGESTED SLUDGE AS A MANURE FOR CERTAIN FARM CROPS.	CA20NLR -7280491- -
DIGESTED	THE COMPOSITION AND FERTILIZING VALUE OF SEWAGE SLUDGE. *NITROGEN*PHOSPHORUS*POTASSIUM*DIGESTED*ACTIVATED*NITRIFICATION.	CA20NLR -7280490- -
DIGESTED	COMPOSITION AND FERTILIZING VALUE OF DIGESTED SEWAGE SLUDGE.	CA20NLR -7280446- -
DIGESTED	AGRICULTURAL APPLICATION OF DIGESTED SEWAGE SLUDGE. *TOXIC*ZINC*COLIFORM*AMMONIA TOXICITY*	CA20NLR -7280542- -
DIGESTED	DIGESTED SLUDGE DISPOSAL ON CROP LAND. *NITRATE*HEAVY METALS*CHICAGO*	CA20NLR -7280541- -
DIGESTED	AGRICULTURAL BENEFITS AND ENVIRONMENTAL CHANGES RESULTING FROM THE USE OF DIGESTED SEWAGE SLUDGE ON FIELD CROPS. *NITROGEN*PHOSPHORUS*POTASSIUM*CHROMIUM*CADMIUM*COPPER*LEAD*MANGANESE*NICKEL*ZIN*COLIFORM*VIRUS*	CA20NLR -7280540- -
DIGESTERS	A BIOLOGICAL AND CHEMICAL STUDY OF SEVERAL ANAEROBIC DIGESTERS. *CITRIC CYCLE*GLYCOLYSIS*ENZYMES*	CA20NLR -7280537- -
DIGESTERS	DIRECT-ISOLATION STUDIES ON AEROBIC AND FACULTATIVE ANAEROBIC BACTERIAL FLORA OF ANAEROBIC DIGESTERS RECEIVING RAW SEWAGE SLUDGE. *COLIFORM*BACILLUS*PSEUDOMONAS*MICROCOCCUS*	CA20NLR -7280465- -
DIGESTERS	ENRICHMENT CULTURE STUDIES ON AEROBIC AND FACULTATIVE ANAEROBIC BACTERIA FOUND IN ANAEROBIC DIGESTERS. *BACILLUS*COLIFORM*PSEUDOMONAS*	CA20NLR -7280466- -
DIGESTIBILITY	LAND DISPOSAL OF LIQUID SEWAGE SLUDGE; I. THE EFFECT ON THE GROWTH, CHEMICAL COMPOSITION AND IN VIVO DIGESTIBILITY OF COASTAL PERMUDAGRASS (CYNODON DACTYLON L. PERS). *NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*MAGNESIUM*S	CA20NLR -7280174- -
DIGESTING	DETERMINATION OF PROTEIN CONTENT OF ANAEROBIC DIGESTING SLUDGE.	CA20NLR -7280156- -

DIGESTION	TOXIC EFFECTS OF AMMONIA NITROGEN IN HIGH-RATE DIGESTION.	CA2ONLR -7280227- -
DIGESTION	THE OCCURRENCE OF COPPER IN WATER, SEWAGE, AND SLUDGE AND ITS EFFECT ON SLUDGE DIGESTION. *TOXIC*CALCIUM*MAGNE SIUM*PHOSPHORUS*MANGANESE*IRON*ALUMINIUM*ZINC*BORON*NICKEL*CHROMIUM*CADMIUM*	CA2ONLR -7280231- -
DIGESTION	BACTERIAL NATURE OF ACID-FORMING PHASE OF ANAEROBIC DIGESTION. *DNA*	CA2ONLR -7280463- -
DIGESTION	PHOSPHATE REMOVAL BY ACTIVATED SLUDGE. *DIGESTION*BOD*	CA2ONLR -7280412- -
DIGESTION	LABORATORY STUDIES ON MESOPHILIC AND THERMOPHILIC ANAEROBIC SLUDGE DIGESTION.	CA2ONLR -7280525- -
DIGESTION	SURVIVAL OF SALMONELLA TYPHOSA DURING ANAEROBIC DIGESTION. *COLIFORM*BACTERIA*	CA2ONLR -7280501- -
DIGESTION	ANAEROBIC DIGESTION I. THE MICROBIOLOGY OF ANAEROBIC DIGESTION. *BACTERIA*FUNGI*SLUDGE*REVIEW*	CA2ONLR -7280513- -
DIGESTION	ANAEROBIC DIGESTION I. THE MICROBIOLOGY OF ANAEROBIC DIGESTION. *BACTERIA*FUNGI*SLUDGE*REVIEW*	CA2ONLR -7280513- -
DIGESTION	POPULATION DESCRIPTION OF THE NON-METHANOGENIC PHASE OF ANAEROBIC DIGESTION- I ISOLATION, CHARACTERIZATION AND IDENTIFICATION OF NUMERICALLY IMPORTANT BACTERIA.	CA2ONLR -7280514- -
DIGESTION	ADVANCES IN SLUDGE DISPOSAL IN THE PERIOD FROM OCTOBER 1, 1954, TO FEBRUARY 1, 1960. *DIGESTION*PUMPING*DRYING *FERTILIZER*REVIEW*	CA2ONLR -7280377- -
DIGESTION	SOME CHARACTERISTICS OF ANAEROBIC SLUDGE DIGESTION.	CA2ONLR -7280529- -
DIGESTION	ISOLATION AND IDENTIFICATION OF ANAEROBIC AND FACULTATIVE BACTERIA PRESENT IN THE DIGESTION PROCESS. *COLIFORM *REDOX*	CA2ONLR -7280553- -
DIGESTION	ELECTRODE POTENTIALS DEVELOPED DURING SLUDGE DIGESTION. *METHANE*PH*VOLATILE ACIDS*	CA2ONLR -7280548- -
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FERMENTATION	CHANGES IN CHEMICAL PROPERTIES OF SEWAGE SLUDGE DURING METHANE FERMENTATION.	CA20NLR -7280249- -
FERMENTED	MOGLICHKEITEN DER LANDWIRTSCHAFTLICHEN VERWERTUNG VON AUSGEFALTEN SCHLAMMEN (POSSIBILITIES FOR AGRICULTURAL UTILIZATION OF FERMENTED SLUDGE).	CA20NLR -7280219- -
FERRIC	COMPOSTING DEWATERED SEWAGE SLUDGE. *LIME*FERRIC CHLORIDE*SALMONELLA*ASCARIS*POLIOVIRUS*CANDIDA*VIRUS*YEASTS*	CA20NLR -7280325- -

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FERTILITY	GANESE*SODIUM*TITANIUM*COPPER*BARIUM*ZINC*LEAD*NICKEL*COBALT*SULFUR*CHROMIUM*ARSENIC*BORON*IODINE*GREASE*L	CA20NLR -7280445- -
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FERTILIZER	FERTILIZER AND FERTILITY VALUE OF SEWAGE SLUDGE. *NITROGEN*PHOSPHORUS*POTASSIUM*ALUMINUM*CALCIUM*MAGNESIUM*MAN- GANESE*SODIUM*TITANIUM*COPPER*BARIIUM*ZINC*LEAD*NICKEL*COBAL T*SULFUR*CHROMIUM*ARSENIC*BORON*IODINE*GREASE*L	CA20NLR -7280522- -
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FERTILIZER	SEWAGE EFFLUENT. *FERTILIZER*IRRIGATION*NITROGEN*PHOSPHORUS*POTASSIUM*	CA20NLR -7280093- -
FERTILIZER	LIQUID SLUDGE-THE VITAMIN B FERTILIZER.	CA20NLR -7280095- -
FERTILIZER	USE OF ACTIVATED SLUDGE AS A FERTILIZER.	CA20NLR -7280055- -
FERTILIZER	THE UTILIZATION OF SEWAGE SLUDGE AS FERTILIZER. *NITROGEN*PHOSPHORUS*POTASSIUM*REVIEW*	CA20NLR -7280022- -
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FERTILIZER	MARKETING SEWAGE SLUDGE IN THE NORTHWEST *FERTILIZER*	CA20NLR -7280250- -
FERTILIZER	INVESTIGATIONS ON SEWAGE FARMING. *PHOSPHORUS*FERTILIZER*	CA20NLR -7280276- -
FERTILIZER	UTILIZATION OF SEWAGE SLUDGE AS FERTILIZER. *HYGIENE*ECONOMICS*	CA20NLR -7280280- -
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FERTILIZER	TRANSPORT OF NUTRIENT SALTS AND TOXIC SUBSTANCES IN THE SOIL-PLANT-ANIMAL ECOSYSTEM. *MERCURY*SEWAGE*FERTILIZE- R*PHOSPHORUS*NITROGEN*SLUDGE*	CA20NLR -7280324- -
FERTILIZER	THE VALUE OF RAW SEWAGE SLUDGE AS FERTILIZER.	CA20NLR -7280305- -
FERTILIZER	SEWAGE SLUDGE AS FERTILIZER. *NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*LEAD*MAGNESIUM*COPPER*IRON*ALUMINUM*ZINC*A- RSENIC*BARIIUM*SULFUR*MANGANESE*BISMUTH CHLORINE*TOLEDO*	CA20NLR -7280299- -
FERTILIZER	SALVAGE OF SEWAGE: FINAL REPORT OF THE JOINT COMMITTEE OF THE SANITARY ENGINEERING DIVISION AND THE IRRIGATION DIVISION. *FERTILIZER*IRRIGATION*	CA20NLR -7280362- -
FERTILIZER	SEWAGE SLUDGE AS FERTILIZER.	CA20NLR -7280341- -
FERTILIZER	SEWAGE SLUDGE AS FERTILIZER.	CA20NLR -7280340- -
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FERTILIZERS	THE USE OF INDUSTRIAL PRODUCTS AS FERTILIZERS WITH TRACE ELEMENTS IN ROMANIA. *COBAL T*IRON*MANGANESE*CONTENT*L- EAD*ZINC*COPPER*SULFUR*	CA20NLR -7280051- -
FERTILIZERS	EFFICIENCY OF COMBINED APPLICATION OF MINERAL FERTILIZERS AND SEWAGE TO CULTIVATED PASTURES.	CA20NLR -7280069- -

FERTILIZERS	OCCURRENCE OF MANGANESE, COPPER, ZINC, MOLYBDENUM, AND COBALT IN PHOSPHATE FERTILIZERS AND SEWAGE SLUDGE.	CA20NLP -7280012- -
FERTILIZERS	VALUE OF LIQUID DIGESTED SEWAGE SLUDGE .2. EXPERIMENTS ON RYEGRASS IN SOUTHEAST ENGLAND COMPARING SLUDGE WITH FERTILIZERS SUPPLYING EQUIVALENT NITROGEN, PHOSPHORUS AND WATER.	CA20NLP -7280009- -
FERTILIZERS	OCCURRENCE OF MANGANESE, COPPER, ZINC, MOLYBDENUM AND COBALT IN PHOSPHATE FERTILIZERS AND SEWAGE.	CA20NLP -7280498- -
FERTILIZERS	DETERMINATION OF CADMIUM IN FERTILIZERS BY ATOMIC ABSORPTION SPECTROSCOPY. *BACTERIA*	CA20NLP -7280507- -
FERTILIZERS	THE ECONOMIC PREPARATION AND SALE OF DIGESTED SLUDGE AS COMMERCIAL FERTILIZERS.	CA20NLP -7280368- -
FERTILIZERS	HUMAN AND ANIMAL WASTES AS FERTILIZERS.	CA20NLP -7280417- -
FERTILIZERS	UTILIZATION OF MUNICIPAL ORGANIC WASTES AS AGRICULTURE FERTILIZERS.	CA20NLP -7280447- -
FERTILIZERS	CORRECTION OF MICRONUTRIENT DEFICIENCIES WITH FERTILIZERS. *BORON*COPPER*ZINC*IRON*MANGANESE*MOLYBDENUM*	CA20NLP -7280431- -
FERTILIZERS	A CONTRIBUTION TO THE CHARACTERIZATION OF ORGANIC MATTER IN TOWN-REFUSE COMPOSTS AND SEWAGE SLUDGES AND IN OTHER HUMUS FERTILIZERS PREPARED FROM THEM. *ANALYTICAL*	CA20NLP -7280210- -
FERTILIZING	DO'S AND DON'T'S OF USING SLUDGE FOR SOIL CONDITIONING AND FERTILIZING.	CA20NLP -7280454- -
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FERTILIZING	THE COMPOSITION AND FERTILIZING VALUE OF SEWAGE SLUDGE. *NITROGEN*PHOSPHORUS*POTASSIUM*DIGESTED*ACTIVATED*NITRIFICATION.	CA20NLP -7280490- -
FERTILIZING	FERTILIZING CHARACTERISTICS OF SEWAGE SLUDGE. *NITROGEN*NITRIFICATION*PHOSPHORUS*POTASSIUM*COPPER*ZINC*BORON*MANGANESE*MOLYBDENUM*	CA20NLP -7280073- -
FERTILIZING	FERTILIZING VALUE OF GARBAGE, TANKAGE AND SEWAGE SLUDGE.	CA20NLP -7280556- -
FIELD	AGRICULTURAL BENEFITS AND ENVIRONMENTAL CHANGES RESULTING FROM THE USE OF DIGESTED SEWAGE SLUDGE ON FIELD CROPS. *NITROGEN*PHOSPHORUS*POTASSIUM*CHROMIUM*CADMIUM*COPPER*LEAD*MANGANESE*NICKEL*ZINC*COLIFORM*VIRUS*	CA20NLP -7280540- -
FIELD	CHANGES IN THE ZINC DISTRIBUTION WITHIN THREE SOILS AND ZINC UPTAKE BY FIELD BEANS CAUSED BY DECOMPOSING ORGANIC MATTER.	CA20NLP -7280013- -
FIELD	FACTS DETERMINING TOXICITY OF COPPER IN THE FIELD OF BIOLOGICAL SEWAGE TREATMENT-ESPECIALLY IN THE FIELD OF ACTIVATED SLUDGE PROCESS.	CA20NLP -7280125- -
FIELD	FACTS DETERMINING TOXICITY OF COPPER IN THE FIELD OF BIOLOGICAL SEWAGE TREATMENT-ESPECIALLY IN THE FIELD OF ACTIVATED SLUDGE PROCESS.	CA20NLP -7280125- -
FIELD	LIQUID DIGESTED SEWAGE SLUDGE GIVES FIELD CROPS NECESSARY NUTRIENTS.	CA20NLP -7280238- -
FIELD	EFFECT OF UNTREATED, MECHANICALLY PURIFIED, AND BIOLOGICALLY TREATED SEWAGE ON FIELD YIELD. *NITROGEN*PHOSPHORUS*POTASSIUM*	CA20NLP -7280153- -
FIELD	FINAL REPORT ON FIELD INVESTIGATION AND RESEARCH ON WASTE WATER RECLAMATION AND UTILIZATION IN RELATION TO UNDERGROUND WATER POLLUTION. *BACTERIA*	CA20NLP -7280141- -
FIELD	FUNFJAHRIGE ERGEBNISSE EINES VERGLEICHENDEN FELDERVERSUCHS MIT ABWASSERFAULSCHLAMMEN, STALLAUFLAST UND MINERALDUNGU NG AUF SANDBODEN (RESULTS OF A COMPARATIVE FIELD TEST OVER FIVE YEARS WITH DIGESTED SEWAGE SLUDGE, FARM YARD MANURE AND MINERAL FERTILIZER ON SAND SOIL)	CA20NLP -7280181- -
FIELD	CONTAMINATION OF VEGETABLES GROWN IN POLLUTED SOIL. II. FIELD AND LABORATORY STUDIES ON ENDAMEBA CYSTS. *SEWAGE*	CA20NLP -7280348- -
FIELD	DIE NACHWIRKUNG VON SCHWERMETALLHALTIGEM ABWASSER-KLARSCHLAMM IN EINEM FELDERVERSUCH (THE AFTER-EFFECT OF THE TREATED SLUDGE OF WASTE WATER CONTAINING HEAVY METAL IN A FIELD TEST).	CA20NLP -7280336- -

FIELD	CONTAMINATION OF VEGETABLES GROWN IN POLLUTED SOIL. III. FIELD STUDIES ON ASCAPIS EGGS.	CA20NLR -7280347- - *HELMINTHS*SEWAGE*
FIELD	EIN ZWOLFJAHRIGER FREILANDVERSUCH ZUR WIRKUNG VON MULL-UND KLARSOHLAMMKOMPOSTEN, STALLMIST UND STROH AUF ERTRAG, NAHRSTOFF-UND HUMUSHAUSHALT DES BODENS (A TWELVE-YEAR FIELD TEST ON THE EFFECT OF REFUSE COMPOSTS AND S	CA20NLR -7280326- -
FIELDS	CONTAMINATION OF SOIL BY EGGS OF HELMINTHS IN FIELDS OF THE CITY OF KEDAINIAI IRRIGATED WITH WASTE WATERS.	CA20NLR -7280363- -
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FILTER	EFFECTIVENESS OF HIGH PH FOR DESTRUCTION OF PATHOGENS IN RAW SLUDGE FILTER CAKE. *BACTERIA* SALMONELLA TYPHOSA* LIME*COLIFORM*	CA20NLR -7280101- -
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FILTRATION	ACIDIFICATION OF A RAW SEWAGE SLUDGE. *FILTRATION*	CA20NLR -7280155- -
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FLAGELLATES	AN ECOLOGICAL STUDY OF CILIATED PROTOZOA IN ACTIVATED SLUDGE. *FLAGELLATES*CILIATES*HYPOTRICHES*PERITRICHES*	CA20NLR -7280001- -
FLAGELLATES	PROTOZOA IN BIOLOGICAL SEWAGE-TREATMENT PROCESSES. I. A SURVEY OF THE PROTOZOAN FAUNA OF BRITISH PERCOLATING FILTERS AND ACTIVATED SLUDGE PLANTS. *AMOEBA*FLAGELLATES*CILIATES*	CA20NLR -7280551- -
FLEXNERI	THE SURVIVAL OF SHIGELLA IN SEWAGE. I. AN EFFECT OF SEWAGE AND FECAL SUSPENSIONS ON SHIGELLA FLEXNERI. *BACTERIA*	CA20NLR -7280510- -
FLOOD	RIDGE AND FURROW LIQUID WASTE DISPOSAL IN NORTHERN LATITUDE. *SPRINKLER*FLOOD*RIDGE-FURROW*NITROGEN*PHOSPHORUS*	CA20NLR -7280049- -
FLOOD	THE PURIFYING EFFECT OF DIFFERENT METHODS OF SEWAGE-WATER TREATMENT IN INVESTIGATIONS OF BERLIN SAND SOIL. *IRRIGATION*SPRINKLER*FLOOD*FURROW*LEACHING*NITROGEN*NITRATE*AMMONIUM*PHOSPHORUS*POTASSIUM*SODIUM*	CA20NLR -7280183- -
FLOODING	THE EFFECT OF FLOODING AND AERATION ON THE MOBILITY OF CERTAIN TRACE ELEMENTS IN SOILS. *LEAD*COPPER*NICKEL*ZINC*COBALT*MANGANESE*CHROMIUM*OXIDATION*REOXIDATION*VANADIUM*MOLYBDENUM*	CA20NLR -7280134- -
FLORA	DIRECT-ISOLATION STUDIES ON AEROBIC AND FACULTATIVE ANAEROBIC BACTERIAL FLORA OF ANAEROBIC DIGESTERS RECEIVING RAW SEWAGE SLUDGE. *COLIFORM*BACILLUS*PSEUDOMONAS*MICROCOCCUS*	CA20NLR -7280465- -
FLORIDA	LIQUID SLUDGE DISPOSAL AT MIAMI, FLORIDA.	CA20NLR -7280057- -
FLUID	FLUID WASTES FOR MORE FERTILE FARMS.	CA20NLR -7280215- -

FLUORESCENCE	FEASIBILITY OF RADIOISOTOPE X-RAY FLUORESCENCE ANALYSIS FOR MEASURING WATER POLLUTION BY METALS. *ANALYTICAL*	CA20NLP -7280149- -
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FOCUS	FOCUS ON ZINC. 7. TREATMENT OF EFFLUENT FROM HOT DIP GALVANIZING. *IRON*HYDROXIDE*SLUDGE*DEWATERING*LIME*	CA20NLP -7280195- -
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FORAGE	PRODUCTION OF SMALL GRAINS PASTURE FORAGE USING SEWAGE EFFLUENT AS A SOURCE OF IRRIGATION WATER AND PLANT NUTRIENTS.	CA20NLP -7280089- -
FORAGE	SEWAGE IRRIGATION IN TEXAS. *GRAINS*COTTON*ALFALFA*FORAGE*NUTS*CITRUS	CA20NLP -7280140- -
FORAGE	CALIFORNIA REGULATES USE OF SEWAGE FOR CROP IRRIGATION. *VEGETABLES*FRUIT*FORAGE*GRAIN*CORN*BACTERIA*	CA20NLP -7280360- -
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FOREST	CALOROCZNE ROLNICZE WYKORZYSTANIE SCIEKOW (YEAR-ROUND UTILIZATION OF SEWAGE FOR AGRICULTURAL PURPOSES). *POLAND*FOREST*SLUDGE*	CA20NLP -7280257- -
FOREST	A LIVING FILTER FOR SEWAGE. *IRRIGATION*FOREST*	CA20NLP -7280201- -
FOREST	DISPOSAL OF MUNICIPAL WASTE WATER THROUGH FOREST IRRIGATION. *PENNSYLVANIA*NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*MAGNESIUM*MANGANESE*IRON*COPPER*BORON*ALUMINUM*ZINC*SODIUM*SEWAGE*	CA20NLP -7280502- -
FORESTRY	FORSTLICHE ABWASSERVERWERTUNG--EIN FAKTOR FUR DIE GANZJAHRIGE ABWASSERLANDBEHANDLUNG (SEWAGE DISPOSAL IN FORESTRY--A FACTOR IN YEAR-ROUND DISPOSAL BY LAND TREATMENT). *POLAND*B.O.D.*IRRIGATION*	CA20NLP -7280103- -
FORSTLICHE	FORSTLICHE ABWASSERVERWERTUNG--EIN FAKTOR FUR DIE GANZJAHRIGE ABWASSERLANDBEHANDLUNG (SEWAGE DISPOSAL IN FORESTRY--A FACTOR IN YEAR-ROUND DISPOSAL BY LAND TREATMENT). *POLAND*B.O.D.*IRRIGATION*	CA20NLP -7280103- -
FRAGEN	TECHNISCHE FRAGEN DER GANZJAHRIGEN ABWASSERLANDBEHANDLUNG SCHWIERIGER BODEN MIT KOMMUNALEN ABWASSERN (TECHNICAL QUESTIONS RELATED WITH YEAR-ROUND LAND TREATMENT OF SEWAGE EFFLUENT AS WELL AS MUNICIPAL WASTEWATERS)	CA20NLP -7280338- -
FRANCE	THE EFFECTS OF TRACE ELEMENTS ON THE EXHAUSTION OF SEWAGE-IRRIGATED LAND. *FRANCE*GERMANY*COPPER*ZINC*TOXICITY*	CA20NLP -7280352- -
FRANCE	OBSERVATIONS ON SEWAGE FARMING IN EUROPE. *GERMANY*BRITAIN*FRANCE*SOVIET*	CA20NLP -7280311- -
FREILANDVERSUCH	EIN ZWOLFJAHRIGER FREILANDVERSUCH ZUR WIRKUNG VON MULL-UND KLARSOHLAMMKOMPOSTEN, STALLMIST UND STROH AUF ERTRAG, NAHRSTOFF-UND HUMUSHAUSHALT DES BODENS (A TWELVE-YEAR FIELD TEST ON THE EFFECT OF REFUSE COMPOSTS AND STALL MANURE AND STRAW ON THE EFFECT OF NUTRIENT AND HUMUS BALANCE OF THE SOIL)	CA20NLP -7280326- -
FRESH	DISPOSAL OF DEWATERED FRESH SEWAGE SLUDGE. COLIFORM*SALMONELLA*BACTERIA*LIME*ALUM*PH*	CA20NLP -7280458- -
FRESH	SEWAGE RECLAMATION AT FRESNO, CALIFORNIA.	CA20NLP -7280327- -
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FRUIT	CALIFORNIA REGULATES USE OF SEWAGE FOR CROP IRRIGATION. *VEGETABLES*FRUIT*FORAGE*GRAIN*CORN*BACTERIA*	CA20NLP -7280360- -
FUNDAMENTAL	FUNDAMENTAL POINTS ON AGRICULTURAL UTILIZATION OF SEWAGE. *ECONOMICS*	CA20NLP -7280409- -
FUNFJAHRIGE	FUNFJAHRIGE ERGEBNISSE EINES VERGLEICHENDEN FELDVERSUCHS MIT ABWASSERFAULSCHLAMMEN, STALLMIST UND MINERALDUNGU NG AUF SANDBODEN (RESULTS OF A COMPARATIVE FIELD TEST OVER FIVE YEARS WITH DIGESTED SEWAGE SLUDGE, FARM YARD MANURE AND MINERAL FERTILIZER ON SAND SOIL)	CA20NLP -7280181- -
FUNGI	ANAEROBIC DIGESTION I. THE MICROBIOLOGY OF ANAEROBIC DIGESTION. *BACTERIA*FUNGI*SLUDGE*REVIEW*	CA20NLP -7280513- -
FUNGI	FUNGI IN SOILS OVER WHICH DIGESTED SEWAGE SLUDGE HAS BEEN SPREAD.	CA20NLP -7280265- -

FUNGI	FUNGI IN SOILS OVER WHICH DIGESTED SEWAGE SLUDGE HAS BEEN SPREAD.	CA20NLR -7280004- -
FUNGI	A LABORATORY GUIDE TO FUNGI IN POLLUTED WATERS, SEWAGE, AND SEWAGE TREATMENT SYSTEMS.	CA20NLR -7280558- -
FUNGI	ECOLOGY OF ACTIVATED SLUDGE AND BACTERIA BEDS. *FUNGI*	CA20NLR -7280543- -
FUNGI	ISOLATION OF POTENTIALLY PATHOGENIC FUNGI FROM POLLUTED WATER AND SEWAGE. *ASPERGILLUS*BOTRYTIS*FUSARIUM*	CA20NLR -7280554- -
FUNGUS	SOLID WASTE/DISEASE RELATIONSHIPS, A LITERATURE SURVEY. *BACTERIA*PROTOZOA*VIROUS*FUNGUS*HELMINTHS*	CA20NLR -7280189- -
FURROW	THE SUITABILITY OF DIFFERENT METHODS OF APPLICATION FOR THE UTILIZATION OF SEWAGE. *SPRINKLER*FURROW*SUBSOIL*	CA20NLR -7280188- -
FURROW	THE PURIFYING EFFECT OF DIFFERENT METHODS OF SEWAGE-WATER TREATMENT IN INVESTIGATIONS OF BERLIN SAND SOIL. *IRRIGATION*SPRINKLER*FLOOD*FURROW*LEACHING*NITROGEN*NITRATE*AMMONIUM*PHOSPHORUS*POTASSIUM*CALCIUM*SODIUM*	CA20NLR -7280183- -
FURROW	LAND DISPOSAL OF ACTIVATED SLUDGE AT SAN MARCOS, TEXAS. *RIDGE-FURROW*	CA20NLR -7280546- -
FURROW	RIDGE AND FURROW LIQUID WASTE DISPOSAL IN NORTHERN LATITUDE. *SPRINKLER*FLOOD*RIDGE-FURROW*NITROGEN*PHOSPHORUS*	CA20NLR -7280049- -
FURROW	RIDGE AND FURROW LIQUID WASTE DISPOSAL IN NORTHERN LATITUDE. *SPRINKLER*FLOOD*RIDGE-FURROW*NITROGEN*PHOSPHORUS*	CA20NLR -7280049- -
FUSARIUM	ISOLATION OF POTENTIALLY PATHOGENIC FUNGI FROM POLLUTED WATER AND SEWAGE. *ASPERGILLUS*BOTRYTIS*FUSARIUM*	CA20NLR -7280554- -
FUSARIUM	SPECIES OF FUSARIUM ISOLATED FROM A WASTE STABILIZATION POND SYSTEM.	CA20NLR -7280557- -
GALLIUM	SPECTROGRAPHIC ANALYSIS OF AIR-DRIED SEWAGE SLUDGE. *ALUMINUM*CALCIUM*IRON*MAGNESIUM*TITANIUM*BARIUM*COPPER*MANGANESE*SODIUM*NICKEL*TIM*VANADIUM*ZINC*SILVER*ZIRCONIUM*BORON*BERYLLIUM*CHROMIUM*COBALT*GALLIUM*MOLYBDENUM*	CA20NLR -7280469- -
GALVANIZING	FOCUS ON ZINC. 7. TREATMENT OF EFFLUENT FROM HOT DIP GALVANIZING. *IRON*HYDROXIDE*SLUDGE*DEWATERING*LIME*	CA20NLR -7280195- -
GAMMA	SEWAGE SLUDGE CONDITIONING AND DISINFECTION BY GAMMA IRRADIATION. *COLIFORM*STREPTOCOCCAL*FECAL*	CA20NLR -7280119- -
GANZJAHRIGE	FORSTLICHE ABWASSERVERWERTUNG--EIN FAKTOR FÜR DIE GANZJAHRIGE ABWASSERLANDBEHANDLUNG (SEWAGE DISPOSAL IN FORESTRY--A FACTOR IN YEAR-ROUND DISPOSAL BY LAND TREATMENT). *POLAND*B.O.D.*IRRIGATION*	CA20NLR -7280103- -
GANZJAHRIGE	TECHNISCHE FRAGEN DER GANZJAHRIGEN ABWASSERLANDBEHANDLUNG SOWIE GANZJAHRIGE BEWASSERUNG SCHWERER BODEN MIT KOMMUNALEN ABWASSERN (TECHNICAL QUESTIONS RELATED WITH YEAR-ROUND LAND TREATMENT OF SEWAGE EFFLUENT AS WELL AS MUNICIPAL WASTEWATER).	CA20NLR -7280338- -
GANZJAHRIGEN	TECHNISCHE FRAGEN DER GANZJAHRIGEN ABWASSERLANDBEHANDLUNG SOWIE GANZJAHRIGE BEWASSERUNG SCHWERER BODEN MIT KOMMUNALEN ABWASSERN (TECHNICAL QUESTIONS RELATED WITH YEAR-ROUND LAND TREATMENT OF SEWAGE EFFLUENT AS WELL AS MUNICIPAL WASTEWATER).	CA20NLR -7280338- -
GANZJAHRIGEN	ZUR ENTWICKLUNG DER GANZJAHRIGEN ABWASSERLANDBEHANDLUNG IN DER SOWJETUNION IN THE SOVIET UNION).	CA20NLR -7280295- -
GARBAGE	THE CONTENTS OF BORON AND MANGANESE IN GARBAGE AND GARBAGE-SLUDGE COMPOSTS.	CA20NLR -7280121- -
GARBAGE	THE CONTENTS OF BORON AND MANGANESE IN GARBAGE AND GARBAGE-SLUDGE COMPOSTS.	CA20NLR -7280121- -
GARBAGE	UTILIZATION OF URBAN WASTES IN CROP PRODUCTION. *GARBAGE*SLUDGE*BORON*COPPER*LEAD*MANGANESE*ZINC*NICKEL*CHROMIUM*CADMIUM*EFFLUENT*	CA20NLR -7280021- -
GARBAGE	EFFECTS OF SEWAGE ON CATTLE AND GARBAGE ON HOGS. *TUBERCULOSIS*	CA20NLR -7280519- -
GARBAGE	FERTILIZING VALUE OF GARBAGE, TANKAGE AND SEWAGE SLUDGE.	CA20NLR -7280556- -
GARDEN	THE WARREN MARKET-GARDEN EXPERIMENT: SUMMARY 1944-60.	CA20NLR -7280464- -
GARDEN	METAL CONTAMINATION OF SOIL IN WARREN MARKET-GARDEN EXPERIMENT RESULTING FROM APPLICATION OF SEWAGE SLUDGE. *COBALT*CHROMIUM*COPPER*MOLYBDENUM*NICKEL*LEAD*ZINC*	CA20NLR -7280246- -

GENERAL	HET GEBRUIK VAN RIJSTSLIB ALS MESTSTOF (THE USE OF SEWAGE SLUDGE AS FERTILIZER).	CA20NLP -7280449- -
GEOGRAPHICAL	EFFECT OF GEOGRAPHICAL FACTORS ON THE WIDESPREAD AGRICULTURAL USE OF SEWAGE. *IRRIGATION*U.S.A.*BRITAIN*POLAND*	CA20NLP -7280426- -
GERMANY	ECONOMICS OF SEWAGE DISPOSAL IN CONNECTION WITH AGRICULTURAL UTILIZATION. *SPRINKLING*GERMANY*POLAND*	CA20NLP -7280428- -
GERMANY	OBSERVATIONS ON SEWAGE FARMING IN EUROPE. *GERMANY*BRITAIN*FRANCE*SOVIET*	CA20NLP -7280311- -
GERMANY	THE EFFECTS OF TRACE ELEMENTS ON THE EXHAUSTION OF SEWAGE-IRRIGATED LAND. *FRANCE*GERMANY*COPPER*ZINC*TOXICITY* MANGANESE*SODIUM*COBALT*MOLYBDENUM*BOFON*	CA20NLP -7280352- -
GERMANY	HYGIENIC EVALUATION OF THE AGRICULTURAL UTILIZATION OF SEWAGE. *HYGIENE*U.S.A.*GERMANY*BRITAIN*SOVIET*FERTILIZER*	CA20NLP -7280263- -
GERMINATION	AN INEXPENSIVE BIOASSAY AIMED AT THE AGRICULTURAL DISPOSAL OF WASTE WATERS. *PLANTS*TOXIC*GERMINATION*	CA20NLP -7280269- -
GERMINATION	EFFECT OF ALUMINUM AND MANGANESE ON SEED GERMINATION AND SEEDLING GROWTH OF DIFFERENT TYPES OF TREES.	CA20NLP -7280301- -
GIVES	LIQUID DIGESTED SEWAGE SLUDGE GIVES FIELD CROPS NECESSARY NUTRIENTS.	CA20NLP -7280238- -
GIVES	SALE OF "RAPIDGROW" GIVES GRAND RAPIDS \$150,000 REVENUE FROM DRIED SLUDGE.	CA20NLP -7280088- -
SLUDGE	WSTEPNE BADANIA MOZLIWOSC ZASTOSOWANIA ODPADOK KOPALNIANYCH CWYCH DO UZYNIANIA GLEI PIASKOWYCH.II. WPLYW ODPADOK NA WZROST I PLENOWANIE ROSLIN W WARUNKACH POLOWYCH (PRELIMINARY INVESTIGATIONS ON THE POSSIBILITY OF USING SLUDGE FROM COAL MINES IN THE CULTIVATION OF PLANTS UNDER FIELD CONDITIONS.)	CA20NLP -7280302- -
GLYCOLYSIS	A BIOLOGICAL AND CHEMICAL STUDY OF SEVERAL ANAEROBIC DIGESTERS. *CITRIC CYCLE*GLYCOLYSIS*ENZYMES*	CA20NLP -7280537- -
GOES	NEW YORK SLUDGE GOES TO SEA - OR TO PARKS.	CA20NLP -7280485- -
GRAIN	CALIFORNIA REGULATES USE OF SEWAGE FOR CROP IRRIGATION. *VEGETABLES*FRUIT*FORAGE*GRAIN*CORN*BACTERIA*	CA20NLP -7280360- -
GRAIN	EFFECTS OF CITY SEWAGE EFFLUENT ON GRAIN YIELD AND GRAIN MALT QUALITY OF FALL-SOWN, IRRIGATED BARLEY.	CA20NLP -7280094- -
GRAIN	EFFECT OF CITY SEWAGE EFFLUENT ON THE YIELD AND QUALITY OF GRAIN FROM BARLEY, OATS, AND WHEAT.	CA20NLP -7280092- -
GRAIN	EFFECTS OF CITY SEWAGE EFFLUENT ON GRAIN YIELD AND GRAIN MALT QUALITY OF FALL-SOWN, IRRIGATED BARLEY.	CA20NLP -7280094- -
GRAINS	PRODUCTION OF SMALL GRAINS PASTURE FORAGE USING SEWAGE EFFLUENT AS A SOURCE OF IRRIGATION WATER AND PLANT NUTRIENTS.	CA20NLP -7280089- -
GRAINS	HAY PRODUCTION OF SMALL GRAINS UTILIZING CITY SEWAGE EFFLUENT.	CA20NLP -7280090- -
GRAINS	SEWAGE IRRIGATION IN TEXAS. *GRAINS*COTTON*ALFALFA*FORAGE*NUTS*CITRUS*	CA20NLP -7280140- -
GRAND	SALE OF "RAPIDGROW" GIVES GRAND RAPIDS \$150,000 REVENUE FROM DRIED SLUDGE.	CA20NLP -7280098- -
GRANULATING	SLUDGE GRANULATING PLANT EXPECTED TO INCREASE REVENUE.	CA20NLP -7280206- -
GRASS	VALUE OF LIQUID DIGESTED SEWAGE SLUDGE .I. EFFECT OF LIQUID SEWAGE SLUDGE ON GROWTH AND COMPOSITION OF GRASS-CLOVER SWARDS IN SOUTHEAST ENGLAND.	CA20NLP -7280010- -
GRASS	EFFECT OF IRRIGATION WITH SEWAGE EFFLUENT ON THE YIELDS AND ESTABLISHMENT OF NAPIER GRASS AND JAPANESE CANE. *NITROGEN*	CA20NLP -7280386- -
GRASSES	NUTRIENT REMOVAL FROM ENRICHED WASTE EFFLUENT BY THE HYDROPONIC CULTURE OF COOL SEASON GRASSES.	CA20NLP -7280472- -
GRASSLAND	THE EFFECT OF SEWAGE WATER ON THE YIELD AND QUALITY OF GRASSLAND.	CA20NLP -7280235- -
GRASSLAND	SOME ASPECTS OF IRRIGATING GRASSLAND IN HUMID REGIONS AND THE USE OF SEWAGE.	CA20NLP -7280198- -

GRAZING	GRAZING CATTLE ON SEWAGE FARMS AND DISPOSAL WORKS.	CA20NLR -72B0080- -
GREASE	FERTILIZER AND FERTILITY VALUE OF SEWAGE SLUDGE. *NITROGEN*PHOSPHORUS*POTASSIUM*ALUMINUM*CALCIUM*MAGNESIUM*MAN- GANESE*SODIUM*TITANIUM*COPPER*BARIUM*ZINC*LEAD*NICKEL*COBALT*SULFUR*CHROMIUM*ARSENIC*BORON*IODINE*GREASE*L	CA20NLR -72B0522- -
GROSSLAPPEN	DIE ABWASSERSCHLAMMPRESITTIGUNG DES MUNCHENER KLARWERKS GROSSLAPPEN (THE SEWAGE SLUDGE REMOVAL OF THE SEWAGE TRE- ATMENT WORKS OF GROSSLAPPEN NEAR MUNICH.	CA20NLR -72B0203- -
GROSSLAPPEN	DIE ABWASSERSCHLAMMPRESITTIGUNG DES MUNCHENER KLARWERKS GROSSLAPPEN (THE SEWAGE SLUDGE REMOVAL OF THE SEWAGE TRE- ATMENT WORKS OF GROSSLAPPEN NEAR MUNICH.	CA20NLR -72B0172- -
GROUNDWATER	VIRUS MOVEMENT IN GROUNDWATER.	CA20NLR -72B0511- -
GROUNDWATER	PUBLIC HEALTH ASPECTS OF THE CONTAMINATION OF GROUNDWATER IN THE VICINITY OF DIBBY COLORADO.	CA20NLR -72B0549- -
GROUNDWATER	INCIDENCE OF CHROMIUM CONTAMINATION OF GROUNDWATER IN MICHIGAN.	CA20NLR -72B0471- -
GROWING	SOME EFFECTS OF NITROGEN SOURCE ON BEANS AND PEPPERS GROWING IN ROOT-KNOT-INFESTED SOIL. *SLUDGE*NEMATODES*	CA20NLR -72B0415- -
GROWING	ZUR VERWENDUNG VON STADTKOMPOSTEN IM ZIERPFLANZENBAU (USE OF MUNICIPAL WASTE COMPOSTS IN ORNAMENTAL PLANT GROWI- NG.	CA20NLR -72B0104- -
GROWING	LEVEL OF TRACE ELEMENTS (NICKEL, COBALT, AND COPPER) IN PLANTS GROWING IN SLURRY FIELDS OF ALUMINUM PRODUCTION	CA20NLR -72B0113- -
GROWN	THE EFFECT OF IRRIGATION WITH TOWN SEWAGE ON VARIOUSLY FERTILIZED MANGEL-WURZEL AND SUNFLOWER GROWN FOR FODDER	CA20NLR -72B0205- -
GROWN	CHEMICAL COMPOSITION OF POTATOES GROWN ON FIELDS FERTILIZED WITH SEWAGE SEDIMENTS.	CA20NLR -72B0347- -
GROWN	CONTAMINATION OF VEGETABLES GROWN IN POLLUTED SOIL. III. FIELD STUDIES ON ASCARIS EGGS. *HELMINTHS*SEWAGE*	CA20NLR -72B0349- -
GROWN	CONTAMINATION OF VEGETABLES GROWN IN POLLUTED SOIL: I. BACTERIAL CONTAMINATION. *COLIFORM*SHIGELLA*SALMONELLA*	CA20NLR -72B0346- -
GROWN	CONTAMINATION OF VEGETABLES GROWN IN POLLUTED SOIL. IV. BACTERIAL DECONTAMINATION. *COLIFORM*SEWAGE*	CA20NLR -72B0348- -
GROWN	CONTAMINATION OF VEGETABLES GROWN IN POLLUTED SOIL. II. FIELD AND LABORATORY STUDIES ON ENDAMOEBIA CYSTS. *SEWA- GE*	CA20NLR -72B0345- -
GROWN	CONTAMINATION OF VEGETABLES GROWN IN POLLUTED SOIL. V. HELMINTHIC DECONTAMINATION. *ASCARIS*SEWAGE*	CA20NLR -72B0344- -
GROWN	CONTAMINATION OF VEGETABLES GROWN IN POLLUTED SOIL: VI. APPLICATION OF RESULTS.	CA20NLR -72B0328- -
GROWS	EFFLUENT GROWS CROPS ON "SEWER FARM." *COTTON*CORN*	CA20NLR -72B0301- -
GROWTH	EFFECT OF ALUMINUM AND MANGANESE ON SEED GERMINATION AND SEEDLING GROWTH OF DIFFERENT TYPES OF TREES.	CA20NLR -72B0339- -
GROWTH	EFFECT OF MUNICIPAL SEWAGE EFFLUENT IRRIGATION ON HEIGHT GROWTH OF WHITE SPRUCE.	CA20NLR -72B0171- -
GROWTH	THE EFFECT OF LIQUID SLUDGE ON GROWTH AND CHEMICAL COMPOSITION OF COASTAL BERMUDAGRASS AND RYE AND ON SOIL PRO- PERTIES, AMMONIA VOLATILIZATION, AND NITRATE LEACHING.	CA20NLR -72B0174- -
GROWTH	LAND DISPOSAL OF LIQUID SEWAGE SLUDGE: I. THE EFFECT ON THE GROWTH, CHEMICAL COMPOSITION AND IN VIVO DIGESTIBI- LITY OF COASTAL BERMUDAGRASS(CYNODON DACTYLON L. PERS). *NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*MAGNESIUM*S	CA20NLR -72B0135- -
GROWTH	EFFECTS OF CHROMIUM ON GROWTH AND MINERAL NUTRITION OF SOYBEANS.	CA20NLR -72B0010- -
GROWTH	VALUE OF LIQUID DIGESTED SEWAGE SLUDGE .I. EFFECT OF LIQUID SEWAGE SLUDGE ON GROWTH AND COMPOSITION OF GRASS-C- LOVER SWARDS IN SOUTHEAST ENGLAND.	CA20NLR -72B0018- -
GROWTH	EFFECTS OF HEAVY METAL IONS ON THE GROWTH OF MICROORGANISMS. *ZINC*NICKEL*COBALT*COPPER*BACTERIA*YEASTS*MOULDS* TOXIC*	

GROWTH	LAND DISPOSAL OF SEWAGE SLUDGE: II. THE EFFECT ON SOIL PH, MN, ZN, AND GROWTH AND CHEMICAL COMPOSITION OF RYE (SECALE CEREALE L.).	CA20NLR -7280050- -
GROWTH	THE EFFECT OF LIME-CONTAINING INDUSTRIAL WASTES ON GROWTH AND DEVELOPMENT ON SEVERAL FARM CROPS AND PRODUCT QUALITY.	CA20NLR -7280404- -
GROWTH	STATE OF THE DEHYDROGENASE ACTIVITY OF AQUATIC BACTERIA, THEIR GROWTH, AND R.O.D. UNDER CONDITIONS INVOLVING THE ACTION OF INORGANIC MATTER CONTAINED IN INDUSTRIAL WASTE WATERS. *CADMIUM*COPPER*COBALT*NICKEL*ZINC*	CA20NLR -7280410- -
GUTES	BETRIEBSWIRTSCHAFTLICHE ERGEBNISSE DES STADTISCHEN GUTES DIETERSHEIM MIT DER UMSTELLUNG AUF ABWASSERSCHLAMMVERWERTUNG (RESULTS OF THE FARM MANAGEMENT OF THE MUNICIPAL FARM AT DIETERSHEIM AFTER THE ADAPTION TO THE UTI	CA20NLR -7280133- -
HAZINESS	WATER ANALYSIS. *ANALYTICAL*METALS*HARDNESS*NITROGEN*C.O.D.*B.O.D.*	CA20NLR -7280123- -
HAUL	THEY HAUL SLUDGE ON CONTRACT.	CA20NLR -7280416- -
HAZARDS	SURVIVAL OF PATHOGENS AND RELATED DISEASE HAZARDS. *BACTERIA*SPIROCHETES*PROTOZOA*HELMINTHS*VIRUSES*REVIEW*	CA20NLR -7280107- -
HEALTH	PUBLIC HEALTH SIGNIFICANCE OF SEWAGE SLUDGE WHEN USED AS A FERTILIZER.	CA20NLR -7280369- -
HEALTH	PUBLIC HEALTH ASPECTS OF THE CONTAMINATION OF GROUNDWATER IN THE VICINITY OF DIPBY COLORADO.	CA20NLR -7280511- -
HEALTH	PUBLIC HEALTH PROBLEMS RELATED TO IRRIGATION.	CA20NLR -7280524- -
HEALTH	PUBLIC HEALTH ASPECTS OF SEWAGE FARMING. *FERTILIZER*	CA20NLR -7280222- -
HEALTH	PUBLIC HEALTH ASPECTS OF WASTE WATER UTILIZATION IN ISRAEL.	CA20NLR -7280322- -
HEALTH	HEALTH REGULATIONS CONCERNING SEWAGE EFFLUENT FOR IRRIGATION.	CA20NLR -7280560- -
HEAT	DISINFECTION EFFECTIVENESS OF HEAT DRYING OF SLUDGE. *HYGIENE*COLIFORM*SPORE-FORMING*CLOSTRIDIUM*BACTERIA*ASCARIS*	CA20NLR -7280005- -
HEATED	EFFECTS ON CORN BY APPLICATIONS OF HEATED ANAEROBICALLY DIGESTED SLUDGE.	CA20NLR -7280259- -
HELMINTHIC	CONTAMINATION OF VEGETABLES GROWN IN POLLUTED SOIL. V. HELMINTHIC DECONTAMINATION. *ASCARIS*SEWAGE*	CA20NLR -7280345- -
HELMINTHIC	A SURVEY OF THE PATHOGENIC ORGANISMS AND HELMINTHIC OVA IN COMPOSTS AND SEWAGE SLUDGE. *COLIFORM*BACTERIA*SALMONELLA*VIRUS*	CA20NLR -7280225- -
HELMINTHS	SOLID WASTE/DISEASE RELATIONSHIPS, A LITERATURE SURVEY. *BACTERIA*PROTOZOA*VIRUS*FUNGUS*HELMINTHS*	CA20NLR -7280189- -
HELMINTHS	THE RESULTS OF SANITARY AND HYGIENIC INVESTIGATIONS OF ASHKHABAD SEWAGE FARMS. *COLIFORM*HELMINTHS*PARASITES*	CA20NLR -7280193- -
HELMINTHS	TEXAS APPROVES IRRIGATION OF ANIMAL CROPS WITH SEWAGE PLANT EFFLUENTS. *BACTERIA*HELMINTHS*AMOEBA*ASCARIS*SLUDGE*	CA20NLR -7280163- -
HELMINTHS	CONTAMINATION OF SOIL BY EGGS OF HELMINTHS IN FIELDS OF THE CITY OF KEDAINIAI IRRIGATED WITH WASTE WATERS.	CA20NLR -7280363- -
HELMINTHS	CONTAMINATION OF VEGETABLES GROWN IN POLLUTED SOIL. III. FIELD STUDIES ON ASCARIS EGGS. *HELMINTHS*SEWAGE*	CA20NLR -7280347- -
HELMINTHS	THE IRRIGATION OF TRUCK CROPS WITH SEWAGE CONTAMINATED WATER. *SALMONELLA*TYPHUS*AMOEBA*ASCARIS*HELMINTHS*	CA20NLR -7280108- -
HELMINTHS	SURVIVAL OF PATHOGENS AND RELATED DISEASE HAZARDS. *BACTERIA*SPIROCHETES*PROTOZOA*HELMINTHS*VIRUSES*REVIEW*	CA20NLR -7280107- -
HELMINTHS	ANIMAL PARASITES IN SEWAGE AND IRRIGATION WATER. *DENVER*ASCARIS*HELMINTHS*COLIFORM*ENTEROCOCCI*ENDAMOEBA*	CA20NLR -7280509- -
HELMINTHS	LITERATURE REVIEW ON THE OCCURRENCE AND SURVIVAL OF ENTERIC, PATHOGENIC, AND RELATED ORGANISMS IN SOIL, WATER, SEWAGE, AND SLUDGES, AND ON VEGETATION. II. ANIMAL PARASITES. *ENDAMOEBA*HELMINTHS*ASCARIS*	CA20NLR -7280479- -
HELSINGFORS	PLANT EXPERIMENTS WITH SEWAGE SLUDGE FROM HELSINGFORS. *OATS*CULTURE*CROPS*	CA20NLR -7280450- -

HERTEFORDSHIRE	EXPERIMENTS IN EAST HERTEFORDSHIRE ON THE USE OF LIQUID DIGESTED SLUDGE AS A MANURE FOR CERTAIN FARM CROPS.	CA2ONLR -7280491- -
HETEROTROPHIC	AEROBIC HETEROTROPHIC BACTERIAL POPULATIONS OF SEWAGE AND ACTIVATED SLUDGE. I. ENUMERATION.	CA2ONLR -7280272- -
HETEROTROPHIC	AEROBIC HETEROTROPHIC BACTERIAL POPULATIONS OF SEWAGE AND ACTIVATED SLUDGE. II. METHOD OF CHARACTERIZATION OF ACTIVATED SLUDGE BACTERIA.	CA2ONLR -7280271- -
HETEROTROPHIC	AEROBIC HETEROTROPHIC BACTERIAL POPULATIONS OF SEWAGE AND ACTIVATED SLUDGE. V. ANALYSIS OF POPULATION STRUCTURE AND ACTIVITY.	CA2ONLR -7280273- -
HETEROTROPHIC	AEROBIC HETEROTROPHIC BACTERIAL POPULATIONS OF SEWAGE AND ACTIVATED SLUDGES.	CA2ONLR -7280274- -
HETEROTROPHIC	AEROBIC HETEROTROPHIC BACTERIAL POPULATIONS OF SEWAGE AND ACTIVATED SLUDGE. III. ADAPTATION IN A SYNTHETIC MEDIUM.	CA2ONLR -7280270- -
HOGS	EFFECTS OF SEWAGE ON CATTLE AND GARBAGE ON HOGS. *TUBERCULOSIS*	CA2ONLR -7280519- -
HOLOTRICH	PROTOZOA IN BIOLOGICAL SEWAGE-TREATMENT PROCESSES. II. PROTOZOA AS INDICATORS IN THE ACTIVATED SLUDGE PROCESS. *CILIATE*HOLOTRICH*PERITRICH*HYPOTRICH*	CA2ONLR -7280100- -
HORTICULTURE	THE USE OF ORGANIC WASTE IN HORTICULTURE AND AGRICULTURE.	CA2ONLR -7280394- -
HUMAN	HUMAN AND ANIMAL WASTES AS FERTILIZERS.	CA2ONLR -7280417- -
HUMID	SOME ASPECTS OF IRRIGATING GRASSLAND IN HUMID REGIONS AND THE USE OF SEWAGE.	CA2ONLR -7280198- -
HUMUS	A CONTRIBUTION TO THE CHARACTERIZATION OF ORGANIC MATTER IN TOWN-REFUSE COMPOSTS AND SEWAGE SLUDGES AND IN OTHER HUMUS FERTILIZERS PREPARED FROM THEM. *ANALYTICAL*	CA2ONLR -7280210- -
HUMUS	DISADVANTAGES AND ADVANTAGES OF SEWAGE DISPOSAL IN CONNECTION WITH AGRICULTURAL UTILIZATION. *OVERLOADING*FERTILIZER*HUMUS*	CA2ONLR -7280425- -
HUMUS	SEWAGE DISPOSAL BY LAND IRRIGATION. *PHOSPHORUS*POTASSIUM*PH*HUMUS*	CA2ONLR -7280429- -
HUMUS	EFFECT OF SEWAGE IRRIGATION ON THE FERTILITY OF SODDY-PODZOLIC LOAMY-SANDY SOILS. *STRUCTURE*HUMUS*ROOTINGS*	CA2ONLR -7280081- -
HUMUS	THE NECESSITY FOR UTILIZATION OF SEWAGE. *FERTILIZER*HUMUS*	CA2ONLR -7280261- -
HUMUSHAUSHALT	EIN ZWOLFJAHRIGER FREILANDVERSUCH ZUR WIRKUNG VON MULL-UND KLARSOHLAMMKOMPOSTEN, STALLMIST UND STROH AUF ERTRAG, NAHRSTOFF-UND HUMUSHAUSHALT DES BODENS (A TWELVE-YEAR FIELD TEST ON THE EFFECT OF REFUSE COMPOSTS AND STALL MANURE AND STRAW ON THE YIELD, NUTRIENT AND HUMUS BALANCE OF THE SOIL)	CA2ONLR -7280326- -
HUNGARY	WASSERGUTEUNTERSUCHUNGEN VON INDUSTRIELLEN ABWASSERN FUR DIE ABWASSERLANDBEHANDLUNG (STUDIES ON WATER QUALITY OF INDUSTRIAL SEWAGE IN THE LIGHT OF SEWAGE DISPOSAL BY LAND TREATMENT. *HUNGARY*SODIUM*SALTS*	CA2ONLR -7280451- -
HYDROCARBONS	HEAVY METALS AND CHLORINATED HYDROCARBONS IN SLUDGE. LINDANE*SEWAGE*SLUDGES*DDT*SEWAGE*SLUDGE*BIPHENYLS*POLYCHLORINATED*SEWAGE*	CA2ONLR -7280291- -
HYDROGEOLOGIC	HYDROGEOLOGIC CONSIDERATIONS IN LIQUID WASTE DISPOSAL.	CA2ONLR -7280041- -
HYDROPONIC	NUTRIENT REMOVAL FROM ENRICHED WASTE EFFLUENT BY THE HYDROPONIC CULTURE OF COOL SEASON GRASSES.	CA2ONLR -7280472- -
HYDROXIDE	FOCUS ON ZINC. 7. TREATMENT OF EFFLUENT FROM HOT DIP GALVANIZING. *IRON*HYDROXIDE*SLUDGE*DEWATERING*LIME*	CA2ONLR -7280195- -
HYDROXIDES	THE SOLUBILITY OF HEAVY METAL HYDROXIDES IN WATER, SEWAGE AND SEWAGE SLUDGE. I. THE SOLUBILITY OF HEAVY METALS PRESENT IN DIGESTED SEWAGE SLUDGE *NICKEL*IRON*ZINC*COPPER*SODIUM*POTASSIUM*CALCIUM*	CA2ONLR -7280192- -
HYDROXIDES	THE SOLUBILITY OF HEAVY METAL HYDROXIDES IN WATER, SEWAGE AND SEWAGE SLUDGE. II. THE PRECIPITATION OF METALS BY SEWAGE. *COPPER*NICKEL*ZINC*IRON*	CA2ONLR -7280190- -
HYDROXIDES	THE SOLUBILITY OF HEAVY METAL HYDROXIDES IN WATER, SEWAGE AND SEWAGE SLUDGE. I. THE SOLUBILITY OF SOME METAL HYDROXIDES. *COPPER*NICKEL*CHROMIUM*CADMIUM*	CA2ONLR -7280191- -

HYDROXIDES	THE SOLUBILITY OF HEAVY METAL HYDROXIDES IN WATER, SEWAGE AND SEWAGE SLUDGE. I. THE SOLUBILITY OF SOME METAL HYDROXIDES. *COPPER*NICKEL*CHROMIUM*CADMIUM*	CA2ONLR -7280191- -
HYGENIC	IRRIGATION AND UTILIZATION OF SEWAGE RESIDUES (HYGENIC REGULATIONS).	CA2ONLR -7280149- -
HYGENIC	HYGENIC POINTS OF VIEW OF THE UTILIZATION OF SEWAGE SLUDGE.	CA2ONLP -7280126- -
HYGENIC	SOIL-HYGENIC STUDIES IN SEWAGE DISPOSAL AREAS.	CA2ONLP -7280530- -
HYGIENE	THE TREATMENT AND DISPOSAL OF SEWAGE SLUDGE. *FERTILIZER*DRYING*HYGIENE*	CA2ONLR -7280023- -
HYGIENE	UNDERGROUND MOVEMENT OF BACTERIAL AND CHEMICAL POLLUTANTS. *COLIFORM*REVIEW*HYGIENE*SEWAGE*EFFLUENT*	CA2ONLP -7280063- -
HYGIENE	HYGIENE OF IRRIGATION AND THE USE OF SEWAGE RESIDUES.	CA2ONLP -7280005- -
HYGIENE	DISINFECTION EFFECTIVENESS OF HEAT DRYING OF SLUDGE. *HYGIENE*COLIFORM*SPORE-FORMING*CLOSTRIDIUM*BACTERIA*ASCARIS*	CA2ONLR -7280150- -
HYGIENE	HYGIENE OF LAND TREATMENT OF SEWAGE. *PATHOGENS*	CA2ONLR -7280437- -
HYGIENE	DEVELOPMENT AND PRESENT CONDITION OF SEWAGE TREATMENT AND UTILIZATION IN BERLIN. *IRRIGATION*HYGIENE*	CA2ONLP -7280434- -
HYGIENE	IRRIGATION AS A SEWAGE REUSE APPLICATION. *HYGIENE*	CA2ONLP -7280280- -
HYGIENE	UTILIZATION OF SEWAGE SLUDGE AS FERTILIZER. *HYGIENE*ECONOMICS*	CA2ONLP -7280263- -
HYGIENE	HYGIENIC EVALUATION OF THE AGRICULTURAL UTILIZATION OF SEWAGE. *HYGIENE*U.S.A.*GERMANY*BRITAIN*SOVIET*FERTILIZER*	CA2ONLR -7280323- -
HYGIENE	PROBLEMS IN SEWAGE FARMING. *HYGIENE*ECONOMICS*FORAGE*ODORS*	CA2ONLR -7280309- -
HYGIENIC	PODENHYGIENISCHE UNTERSUCHUNGEN IN ABWASSERVERWERTUNGSGEBIETEN (SOIL-HYGIENIC STUDIES IN SEWAGE-DISPOSAL AREAS).	CA2ONLP -7280263- -
HYGIENIC	HYGIENIC EVALUATION OF THE AGRICULTURAL UTILIZATION OF SEWAGE. *HYGIENE*U.S.A.*GERMANY*BRITAIN*SOVIET*FERTILIZER*	CA2ONLR -7280170- -
HYGIENIC	ZUM REINIGUNGSEFFEKT DER ABWASSERLANDBEHANDLUNG IN BIOLOGISCH-HYGIENISCHER SICHT (BIOLOGICO-HYGIENIC ASPECTS OF PURIFICATION EFFICIENCY IN SEWAGE DISPOSAL BY LAND TREATMENT). *COLIFORM*LEACHING*	CA2ONLR -7280193- -
HYGIENIC	THE RESULTS OF SANITARY AND HYGIENIC INVESTIGATIONS OF ASHKHABAD SEWAGE FARMS. *COLIFORM*HELMINTHS*PARASITES*	CA2ONLR -7280170- -
HYGIENISCHER	ZUM REINIGUNGSEFFEKT DER ABWASSERLANDBEHANDLUNG IN BIOLOGISCH-HYGIENISCHER SICHT (BIOLOGICO-HYGIENIC ASPECTS OF PURIFICATION EFFICIENCY IN SEWAGE DISPOSAL BY LAND TREATMENT). *COLIFORM*LEACHING*	CA2ONLR -7280100- -
HYDTRICH	PROTOZOA IN BIOLOGICAL SEWAGE-TREATMENT PROCESSES. II. PROTOZOA AS INDICATORS IN THE ACTIVATED SLUDGE PROCESS. *CILIATE*HYDTRICH*PERITRICH*HYDTRICH*	CA2ONLR -7280001- -
HYDTRICH	AN ECOLOGICAL STUDY OF CILIATED PROTOZOA IN ACTIVATED SLUDGE. *FLAGELLATES*CILIATES*HYDTRICH*PERITRICH*	CA2ONLR -7280179- -
IMPE	DIE LANGJAHIGE VERWERTUNG VON ABWASSERFAULSCHLAMM IN EINEM VIEHLOS BEWIRTSCHAFTETEN BETRIEB UND IHRE AUSWIRKUNGEN AUF DIE EIGENSCHAFTEN UND LEISTUNGEN DER BODEN	CA2ONLR -7280354- -
IMPE	DIE STELLUNG DER ABWASSERFAULBEHANDLUNG ALS REGELMETHODE DER ABWASSERREINIGUNG UND ERFORDERNISSE ZU IHRER WEITERENTWICKLUNG IN DER DDR. (SEWAGE DISPOSAL BY LAND TREATMENT--A REGULAR METHOD OF WATER PURIFICATION, IT	CA2ONLP -7280335- -
ILLINOIS	DISPOSAL OF LIQUID SLUDGE AT KANKAKEE, ILLINOIS.	CA2ONLP -7280240- -
IMPROVEMENT	DIGESTED SEWAGE SLUDGE FOR SOIL IMPROVEMENT.	CA2ONLP -7280071- -
IMPROVEMENT	SEWAGE SLUDGE FOR SOIL IMPROVEMENT. *FERTILIZATION*FERTILIZER*ACTIVATED*DIGESTED*NITROGEN*PHOSPHORUS*PO	

IMPROVEMENT	SOIL IMPROVEMENT WITH HEAT, DECOMPOSED REFUSE, AND SEWAGE SLUDGE. *PEVIFW*	CA20NLP -7280459- -
IMPROVER	THE CASE FOR SLUDGE AS A SOIL IMPROVER. *TOXIC*	CA20NLR -7280242- -
IMZIERPFLANZENBAU	ZUR VERWENDUNG VON STADTKOMPOSTEN IMZIERPFLANZENBAU (USE OF MUNICIPAL WASTE COMPOSTS IN ORNAMENTAL PLANT GROWING).	CA20NLP -7280415- -
INACTIVATION	VIRUS INACTIVATION ON CLAY PARTICLES IN NATURAL WATERS.	CA20NLR -7280060- -
INCINERATION	SLUDGE ELUTRIATION, FILTRATION, AND INCINERATION-DRYING AT TORONTO.	CA20NLR -7280003- -
INCINERATION	EXPERIENCES WITH THE SLUDGE PROGRAM IN THE DENVER AREA. *INCINERATION*LAND*	CA20NLR -7280506- -
INCINERATORS	METAL AND PARTICULATE EMISSIONS FROM INCINERATORS BURNING SEWAGE SLUDGE AND MIXED REFUSE.	CA20NLR -7280002- -
INCUBATION	EFFECT OF ADDITION OF COPPER, MANGANESE, ZINC, AND CHROMIUM COMPOUNDS ON AMMONIFICATION AND NITRIFICATION DURING INCUBATION OF SOIL. *TOXIC*AIRATION*	CA20NLR -7280037- -
INCUBATION	INCUBATION STUDY OF NITROGEN MINERALISATION IN SOIL TREATED WITH DRIED SEWAGE SLUDGE.	CA20NLR -7280503- -
INCUBATION	INCUBATION STUDY OF NITRIFICATION OF DIGESTED SEWAGE SLUDGE ADDED TO SOIL. *COPPER*ZINC*MANGANESE*CHROMIUM*AMMONIUM*	CA20NLR -7280267- -
INDIANA	EFFECT OF CHROME PLATING WASTES ON WARSAW, INDIANA, SEWAGE TREATMENT PLANT. *SLUDGE*CHROMIUM*VARIABILITY*SAMPLING*	CA20NLR -7280118- -
INDICATORS	PROTOZOA IN BIOLOGICAL SEWAGE-TREATMENT PROCESSES. II. PROTOZOA AS INDICATORS IN THE ACTIVATED SLUDGE PROCESS. *CILIATE*HOLOTRICH*PERITRICH*HYPOTRICH*	CA20NLR -7280100- -
INDUST	WATER RECLAMATION AND REFUSE DISPOSAL. - A REPORT ON THE 13TH ANNUAL CONFERENCE OF THE CALIF. SEWAGE AND INDUS. WASTES ASSOC.	CA20NLR -7280239- -
INDUSTRIAL	RECLAMATION OF WATER FROM SEWAGE AND INDUSTRIAL WASTES IN LOS ANGELES COUNTY.	CA20NLR -7280241- -
INDUSTRIAL	DISCHARGE OF INDUSTRIAL WASTES INTO A PUBLIC SEWER.	CA20NLR -7280204- -
INDUSTRIAL	SEWAGE EFFLUENT RECLAMATION FOR INDUSTRIAL AND AGRICULTURAL USE.	CA20NLP -7280144- -
INDUSTRIAL	THE USE OF INDUSTRIAL PRODUCTS AS FERTILIZERS WITH TRACE ELEMENTS IN ROMANIA. *COBALT*IRON*MANGANESE*CONTENT*LFAD*ZINC*COPPER*SULFUR*	CA20NLR -7280051- -
INDUSTRIAL	COMPOSITION AND NITRIFICATION CHARACTERISTICS OF SOME SEWAGE AND INDUSTRIAL SLUDGES. *ACTIVATED*DIGESTED*NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*MAGNESIUM*COPPER*BORON*MANGANESE*MOLYBDENUM*ZINC*	CA20NLR -7280011- -
INDUSTRIAL	MICROBIAL AND CHEMICAL STUDY OF SEWAGE AND INDUSTRIAL WASTE.	SULFUR*PH* CA20NLR -7280318- -
INDUSTRIAL	LAND DISPOSAL OF SEWAGE AND INDUSTRIAL WASTES.	CA20NLP -7280382- -
INDUSTRIAL	UTILIZATION OF MICRO GREEN ALGAE FOR TREATMENT OF INDUSTRIAL WASTES OR POLLUTED WATER. III. RESISTANCE OF LIVE CHLORELLA IN POLLUTED WATER TO TOXICITY OF SOME HEAVY METALS.	CA20NLP -7280375- -
INDUSTRIAL	THE EFFECT OF LIME-CONTAINING INDUSTRIAL WASTES ON GROWTH AND DEVELOPMENT ON SEVERAL FARM CROPS AND PRODUCT QUALITY.	CA20NLR -7280404- -
INDUSTRIAL	STATE OF THE DEHYDROGENASE ACTIVITY OF AQUATIC BACTERIA, THEIR GROWTH, AND B.O.D. UNDER CONDITIONS INVOLVING THE ACTION OF INORGANIC MATTER CONTAINED IN INDUSTRIAL WASTE WATERS. *CADMIUM*COPPER*COBALT*NICKEL*ZINC*	CA20NLR -7280410- -
INDUSTRIAL	WASSERGUTEUNTERSUCHUNGEN VON INDUSTRIELLEN ABWASSEREN FÜR DIE ABWASSERLANDBEHANDLUNG (STUDIES ON WATER QUALITY OF INDUSTRIAL SEWAGE IN THE LIGHT OF SEWAGE DISPOSAL BY LAND TREATMENT. *HUNGARY*SODIUM*SALTS*	CA20NLR -7280451- -
INDUSTRIAL	VERSUCHSERGEBNISSE ÜBER DIE BODENBEHANDLUNG VON ABWASSERSCHLÄMMEN DER CHEMISCHEN INDUSTRIE (EXPERIMENTAL RESULTS ON THE LAND TREATMENT OF SEWAGE SLUDGES FROM CHEMICAL INDUSTRIES).	CA20NLR -7280217- -

INDUSTRIAL	WASSERGUTEINTERESUCHUNGEN VON INDUSTRIELLEN ABWASSER IN DER LICHT DER ABWASSERLANDBEHANDLUNG (STUDIES ON WATER QUALITY OF INDUSTRIAL SEWAGE IN THE LIGHT OF SEWAGE DISPOSAL BY LAND TREATMENT. *HUNGARY*SODIUM*SALTS*	CA2ONLR -72B0451- -
INDUSTRIAL	ON TOXICITY OF WASTE WATERS FROM MINING AND METALLURGICAL INDUSTRIES. *COPPER*LEAD*ZINC*	CA2ONLR -72B0370- -
INDUSTRIAL	VERSUCHSERGEBNISSE UBER DIE BODENBEHANDLUNG VON ABWASSERSCHLAMMEN DER CHEMISCHEN INDUSTRIE (EXPERIMENTAL RESULTS ON THE LAND TREATMENT OF SEWAGE SLUDGES FROM CHEMICAL INDUSTRIES).	CA2ONLR -72B0217- -
INEINEM	DIE NACHWIRKUNG VON SCHWERMETALLHALTIGEM ABWASSER-KLARSCHLamm INEINEM FELDOVERSUCH (THE AFTER-EFFECT OF THE TREATED SLUDGE OF WASTE WATER CONTAINING HEAVY METAL IN A FIELD TEST).	CA2ONLR -72B0336- -
INFECTION	INFECTION OF VEGETABLES BY APPLICATION OF DOMESTIC SEWAGE AS ARTIFICIAL RAIN. *COLIFORM*SALMONELLA*VEGETABLES*FRUIT*	CA2ONLR -72B0306- -
INFESTED	SOME EFFECTS OF NITROGEN SOURCE ON BEANS AND PEPPERS GROWING IN ROOT-KNOT-INFESTED SOIL. *SLUDGE*NEMATODES*	CA2ONLR -72B0471- -
INFILTRATION	SOIL CHEMICAL CHANGES AND INFILTRATION RATE REDUCTION UNDER SEWAGE SPREADING.	CA2ONLR -72B0470- -
INFILTRATION	EFFECT OF ORGANIC MATTER CONTENT OF THE SOIL ON INFILTRATION.	CA2ONLR -72B0413- -
INFILTRATION	AN INVESTIGATION OF SEWAGE SPREADING ON FIVE CALIFORNIA SOILS. *INFILTRATION*COLIFORM*CALCIUM*MAGNESIUM*SODIUM*POTASSIUM*IRRIGATION*	CA2ONLR -72B0286- -
INFILTRATION	UTILIZING THE DECOMPOSITION OF ORGANIC RESIDUES TO INCREASE INFILTRATION RATES IN WATER SPREADING.	CA2ONLR -72B0194- -
INORGANIC	THE EFFECT OF SEWAGE SLUDGE ON THE FERTILITY OF SOIL. PART 1. CHANGES INORGANIC C, C/N, PH, AND DIFFERENT FORMS OF N AND P.	CA2ONLR -72B0391- -
INORGANIC	STATE OF THE DEHYDROGENASE ACTIVITY OF AQUATIC BACTERIA, THEIR GROWTH, AND B.O.D. UNDER THE ACTION OF INORGANIC MATTER CONTAINED IN INDUSTRIAL WASTE WATERS. *CADMIUM*COPPER*COBALT*NICKEL*ZINC*	CA2ONLR -72B0410- -
INSTITUTE	CONVERSION TO ACTIVATED SLUDGE AT UNION CARBIDES INSTITUTE PLANT.	CA2ONLR -72B0260- -
INSTITUTIONS	MANAGING WATER QUALITY: ECONOMICS, TECHNOLOGY, INSTITUTIONS.	CA2ONLR -72B0218- -
INTERACTIONS	CHEMICAL INTERACTIONS OF WASTEWATER IN A SOIL ENVIRONMENT. *LEACHING*	CA2ONLR -72B0147- -
INTERACTIONS	INTERACTIONS BETWEEN BLUE-GREEN ALGAE AND HEAVY METALS. *ZINC*NICKEL*CADMIUM*COPPER*SLUDGE*	CA2ONLR -72B0399- -
INTERACTIONS	EFFECTS ON VEGETATION OF IRRIGATION WITH WASTE TREATMENT EFFLUENTS AND POSSIBLE PLANT PATHOGEN-IRRIGATION INTERACTIONS.	CA2ONLR -72B0007- -
INTERMITTENT	WATER QUALITY ASPECTS OF INTERMITTENT SYSTEMS USING SECONDARY SEWAGE EFFLUENT.	CA2ONLR -72B0039- -
INTERNATIONALLY	TASKS AND PROBLEMS CONCERNING SEWAGE DISPOSAL BY LAND TREATMENT INTERNATIONALLY AND THEIR SOLUTION UNDER CONDITIONS OF MODERN SOCIALIST AGRICULTURE.	CA2ONLR -72B0333- -
IODINE	FERTILIZER AND FERTILITY VALUE OF SEWAGE SLUDGE. *NITROGEN*PHOSPHORUS*POTASSIUM*ALUMINUM*CALCIUM*MAGNESIUM*MANGANESE*SODIUM*TITANIUM*COPPER*BARIUM*ZINC*FAD*NICKEL*COBALT*SULFUR*CHROMIUM*ARSENIC*BORON*IODINE*GREASE*LEAD*	CA2ONLR -72B0522- -
IONS	EFFECTS OF HEAVY METAL IONS ON THE GROWTH OF MICROORGANISMS. *ZINC*NICKEL*COBALT*COPPER*BACTERIA*YEASTS*MOLDS*TOXIC*	CA2ONLR -72B0018- -
IONS	COMBINING CAPACITY OF ANAEROBIC DIGESTED SLUDGE FOR HEAVY METAL IONS. *COPPER*NICKEL*ZINC*	CA2ONLR -72B0136- -
IRON	SOME CHANGES IN POLLUTED WATER DURING PERCOLATION THROUGH SOIL. *COPPER*NICKEL*CHROMIUM*MANGANESE*ZINC*LEAD*IRON*AMMONIUM*	CA2ONLR -72B0034- -
IRON	DISPLACEMENT OF IRON IN SOIL IRRIGATED WITH SEWAGE. *DRAINAGE*OXIDATION*REDUCTION*	CA2ONLR -72B0044- -
IRON	THE USE OF INDUSTRIAL PRODUCTS AS FERTILIZERS WITH TRACE ELEMENTS IN ROMANIA. *COBALT*IRON*MANGANESE*CONTENT*LEAD*ZINC*COPPER*SULFUR*	CA2ONLR -72B0051- -

IRON	MICRONUTRIENT SOIL TESTS. *BORON*COPPER*IRON*MANGANESE*MOLYBDENUM*ZINC*	CA20NLR -7280512- -
IRON	EFFECT OF FE(III) IN THE DISAPPEARANCE OF CADMIUM-INDUCED PHENOMENA ON RHIZOPUS JAVANICUS. *IRON*CADMIUM*TOXICITY*	CA20NLR -7280518- -
IRON	DISPOSAL OF MUNICIPAL WASTE WATER THROUGH FOREST IRRIGATION. *PENNSYLVANIA*NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*MAGNESIUM*MANGANESE*IRON*COPPER*BORON*ALUMINIUM*ZINC*SODIUM*SEWAGE*	CA20NLR -7280502- -
IRON	ADSORPTION REACTIONS OF MICRONUTRIENTS IN SOILS. *COPPER*ZINC*BORON*MOLYBDENUM*IRON*MANGANESE*	CA20NLR -7280492- -
IRON	OBSERVATIONS ON SOME MINERALS AND B VITAMINS IN SEWAGE AND SLUDGES. *PHOSPHORUS*SULFATE*SULFIDE*IRON*CALCIUM*MAGNESIUM*COPPER*ZINC*CHROMIUM*NICKEL*MOLYBDENUM*COBALT*	CA20NLR -7280478- -
IRON	SPECTROGRAPHIC ANALYSIS OF AIR-DRIED SEWAGE SLUDGE. *ALUMINIUM*CALCIUM*IRON*MAGNESIUM*TITANIUM*BARIUM*COPPER*MANGANESE*SODIUM*NICKEL*TIN*VANADIUM*ZINC*SILVER*ZIRCONIUM*BORON*BERYLLIUM*CHROMIUM*COBALT*GALLIUM*MOLYBDENUM*	CA20NLR -7280469- -
IRON	MICRONUTRIENTS IN AGRICULTURE. *COPPER*ZINC*IRON*BORON*MANGANESE*MOLYBDENUM*	CA20NLR -7280430- -
IRON	CORRECTION OF MICRONUTRIENT DEFICIENCIES WITH FERTILIZERS. *BORON*COPPER*ZINC*IRON*MANGANESE*MOLYBDENUM*	CA20NLR -7280431- -
IRON	EIN BEITRAG ZUR DEN URSACHEN DER PIESFLUCHIGKEIT VON BODEN (CAUSES OF SEWAGE SICKNESS IN SOILS). *IRON*ZINC*COBALT*TOXICITY*CYANIDE*LIME*CYANAMIDE*	CA20NLR -7280357- -
IRON	AGRICULTURAL USAGE OF SEWAGE OF THE TOWN OF ZPEY. *NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*MAGNESIUM*IRON*CHLORIDES*	CA20NLR -7280266- -
IRON	METAL CONTENT IN SLUDGE FROM WASTE WATER TREATMENT PLANTS IN THE SURROUNDINGS OF COPENHAGEN. *CHROMIUM*MANGANESE*NICKEL*COBALT*ZINC*CADMIUM*COPPER*LEAD*IRON*	CA20NLR -7280281- -
IRON	POLAROGRAPHIC DETERMINATION OF METALS IN SEWAGE AND SEWAGE SLUDGES. *ANALYTICAL*COPPER*IRON*CHROMIUM*CADMIUM*NICKEL*ZINC*	CA20NLR -7280277- -
IRON	SEWAGE SLUDGE AS FERTILIZER. *NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*LEAD*MAGNESIUM*COPPER*IRON*ALUMINIUM*ZINC*ARSENIC*BARIUM*SULFUR*MANGANESE*BISMUTH*CHLORINE*TOLEDO*	CA20NLR -7280299- -
IRON	FEASIBILITY OF RADIOISOTOPE X-RAY FLUORESCENCE ANALYSIS FOR MEASURING WATER POLLUTION BY METALS. *ANALYTICAL*IRON*COPPER*LEAD*ZINC*MERCURY*CADMIUM*	CA20NLR -7280169- -
IRON	TRACE ELEMENT REMOVAL FROM SEWAGE EFFLUENT BY SOIL FILTRATION. *IRON*MANGANESE*NICKEL*COPPER*ZINC*LEAD*CADMIUM*LEACHING*	CA20NLR -7280247- -
IRON	THE OCCURRENCE OF COPPER IN WATER, SEWAGE, AND SLUDGE AND ITS EFFECT ON SLUDGE DIGESTION. *TOXIC*CALCIUM*MAGNESIUM*PHOSPHORUS*MANGANESE*IRON*ALUMINIUM*ZINC*BORON*NICKEL*CHROMIUM*CADMIUM*	CA20NLR -7280231- -
IRON	FOCUS ON ZINC. 7. TREATMENT OF EFFLUENT FROM HOT DIP GALVANIZING. *IRON*HYDROXIDE*SLUDGE*DEWATERING*LIME*	CA20NLR -7280195- -
IRON	THE SOLUBILITY OF HEAVY METAL HYDROXIDES IN WATER, SEWAGE AND SEWAGE SLUDGE. II. THE PRECIPITATION OF METALS BY SEWAGE. *COPPER*NICKEL*ZINC*IRON*	CA20NLR -7280190- -
IRON	THE SOLUBILITY OF HEAVY METAL HYDROXIDES IN WATER, SEWAGE AND SEWAGE SLUDGE. III. THE SOLUBILITY OF HEAVY METALS PRESENT IN DIGESTED SEWAGE SLUDGE *NICKEL*IRON*ZINC*COPPER*SODIUM*POTASSIUM*CALCIUM*	CA20NLR -7280192- -
IRON	RESEARCH NEEDS FOR ADVANCED WASTE TREATMENT. *PHOSPHORUS*ALUM*IRON*	CA20NLR -7280531- -
IRRADIATION	SEWAGE SLUDGE CONDITIONING AND DISINFECTION BY GAMMA IRRADIATION. *COLIFORM*STREPTOCOCCAL*FECAL*	CA20NLR -7280119- -
IRRIGATED	DISPLACEMENT OF IRON IN SOIL IRRIGATED WITH SEWAGE. *DRAINAGE*OXIDATION*REDUCTION*	CA20NLR -7280044- -
IRRIGATED	CHEMICAL CHANGES IN SOIL IRRIGATED WITH MUNICIPAL SEWAGE.	CA20NLR -7280042- -
IRRIGATED	EFFECTS OF CITY SEWAGE EFFLUENT ON GRAIN YIELD AND GRAIN MALT QUALITY OF FALL-SOWN, IRRIGATED PARLEY.	CA20NLR -7280094- -

IRRIGATED	WATER AND NUTRIENT BALANCE OF A PASTURE ON A LIGHT SOIL IRRIGATED WITH MUNICIPAL SEWAGE, BASED ON LYSIMETRIC EXPERIMENTS.	CA20NLR -7280237- -
IRRIGATED	BACTERIOLOGICAL STUDY OF IRRIGATED VEGETABLES. *COLIFORM*SALMONELLA*ENTEROCOCCI*	CA20NLR -7280297- -
IRRIGATED	CONTAMINATION OF SOIL BY EGGS OF HELMINTHS IN FIELDS OF THE CITY OF KECANIAI IRRIGATED WITH WASTE WATERS.	CA20NLR -7280363- -
IRRIGATED	THE EFFECTS OF TRACE ELEMENTS ON THE EXHAUSTION OF SEWAGE-IRRIGATED LAND. *FRANCE*GERMANY*COPPER*ZINC*TOXICITY *MANGANESE*SODIUM*COBALT*POLYMOENIUM*BOFON*	CA20NLR -7280352- -
IRRIGATES	TREATED SEWAGE IRRIGATES CROPS.	CA20NLR -7280067- -
IRRIGATING	SOME ASPECTS OF IRRIGATING GRASSLAND IN HUMID REGIONS AND THE USE OF SEWAGE.	CA20NLR -7280198- -
IRRIGATION	NOT A DROP WASTED. *SEWAGE*SLUDGE*IRRIGATION*	CA20NLR -7280196- -
IRRIGATION	THE PURIFYING EFFECT OF DIFFERENT METHODS OF SEWAGE-WATER TREATMENT IN INVESTIGATIONS OF BERLIN SAND SOIL. *IRRIGATION*SPRINKLER*FLOOD*FURROW*LEACHING*NITROGEN*NITRATE*AMMONIUM*PHOSPHORUS*POTASSIUM*CALCIUM*SODIUM*	CA20NLR -7280183- -
IRRIGATION	A NEW PROSPECT. *IRRIGATION*SPRINKLER*SEWAGE*EFFLUENT*LEACHING*PENNSYLVANIA*	CA20NLR -7280199- -
IRRIGATION	SUPPLEMENTAL IRRIGATION WITH TREATED SEWAGE.	CA20NLR -7280176- -
IRRIGATION	A LIVING FILTER FOR SEWAGE. *IRRIGATION*FOREST*	CA20NLR -7280201- -
IRRIGATION	UTILIZATION OF SEWAGE FOR IRRIGATION.	CA20NLR -7280221- -
IRRIGATION	CHANGES IN AGROCHEMICAL AND BIOLOGICAL SOIL PROPERTIES WHEN IRRIGATION WITH SEWAGE IS USED.	CA20NLR -7280232- -
IRRIGATION	TEXAS APPROVES IRRIGATION OF ANIMAL CROPS WITH SEWAGE PLANT EFFLUENTS. *BACTERIA*HELMINTHS*AMOEBA*ASCARIS*SLUDGE*	CA20NLR -7280163- -
IRRIGATION	SEWAGE EFFLUENT DISPOSAL THROUGH CROP IRRIGATION. *COLIFORM*LEACHING*NITROGEN*PHOSPHORUS*MAGNESIUM*CALCIUM*SODIUM*POTASSIUM*	CA20NLR -7280161- -
IRRIGATION	SEWAGE IRRIGATION AS A METHOD OF DISPOSAL. *COTTON*	CA20NLR -7280152- -
IRRIGATION	IRRIGATION PROCESSES USING RECLAIMED WATER OR EFFLUENT DESCRIBED.	CA20NLR -7280142- -
IRRIGATION	SEWAGE RECLAIMED FOR IRRIGATION IN IN ISRAEL FARM OXIDATION PONDS. *BCO*COLIFORM*	CA20NLR -7280162- -
IRRIGATION	IRRIGATION WITH RECLAIMED WASTEWATER.	CA20NLR -7280168- -
IRRIGATION	IRRIGATION AND UTILIZATION OF SEWAGE RESIDUES (HYGENIC REGULATIONS).	CA20NLR -7280149- -
IRRIGATION	UTILIZATION OF SEWAGE FOR CROP IRRIGATION IN ISRAEL.	CA20NLR -7280164- -
IRRIGATION	TREATMENT REQUIRED FOR SEWAGE REUSED FOR IRRIGATION PURPOSES.	CA20NLR -7280083- -
IRRIGATION	CITY SEWAGE FOR IRRIGATION AND PLANT NUTRIENTS.	CA20NLR -7280091- -
IRRIGATION	EFFECT OF SEWAGE IRRIGATION ON THE FERTILITY OF SODDY-PODZOLIC LOAMY-SANDY SOILS. *STRUCTURE*HUMUS*ROOTINGS*	CA20NLR -7280081- -
IRRIGATION	SEWAGE RECLAIMED FOR IRRIGATION IN ISRAEL FARM OXIDATION PONDS. *ANALYTICAL*	CA20NLR -7280102- -
IRRIGATION	SEWAGE IRRIGATION REGIME ON DRAINED PLOTS WITH LOAMY SOILS.	CA20NLR -7280082- -
IRRIGATION	A STUDY OF WASTEWATER IRRIGATION THROUGH COMPUTER SIMULATION.	CA20NLR -7280099- -
IRRIGATION	SEWAGE EFFLUENT. *FERTILIZER*IRRIGATION*NITROGEN*PHOSPHORUS*POTASSIUM*	CA20NLR -7280093- -

IRRIGATION	PRODUCTION OF SMALL GRAINS PASTURE FORAGE USING SEWAGE EFFLUENT AS A SOURCE OF IRRIGATION WATER AND PLANT NUTRIENTS.	CA20NLR -7280089- -
IRRIGATION	SEWAGE AND IRRIGATION.	CA20NLR -7280077- -
IRRIGATION	HYGIENE OF IRRIGATION AND THE USE OF SEWAGE RESIDUES.	CA20NLR -7280063- -
IRRIGATION	UTILIZATION OF WATER AND IRRIGATION IN ISRAEL.	CA20NLR -7280045- -
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IRRIGATION	SOIL RESPONSE TO SEWAGE EFFLUENT IRRIGATION.	CA20NLR -7280031- -
IRRIGATION	BACTERIAL CONTAMINATION OF SOIL AND VEGETABLES ON FIELDS AFTER SEASONAL SEWAGE IRRIGATION IN THE SOUTHERN UKRAINE. *COLIFORM*	CA20NLR -7280059- -
IRRIGATION	PLANT EFFLUENT SOLD FOR IRRIGATION WATER. *SLUDGE*	CA20NLR -7280111- -
IRRIGATION	QUANTITATIVE ESTIMATION OF SALMONELLA IN IRRIGATION WATER.	CA20NLR -7280106- -
IRRIGATION	CROP IRRIGATION WITH SEWAGE PLANT EFFLUENT.	CA20NLR -7280112- -
IRRIGATION	SEWAGE IRRIGATION IN TEXAS. *GRAINS*COTTON*ALFALFA*FORAGE*NUTS*CITRUS	CA20NLR -7280140- -
IRRIGATION	SALMONELLA IN IRRIGATION WATER.	CA20NLR -7280105- -
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IRRIGATION	THE IRRIGATION OF TRUCK CROPS WITH SEWAGE CONTAMINATED WATER. *SALMONELLA*TYPHUS*AMOEBA*ASCARIS*HELIANTHUS*	CA20NLR -7280108- -
IRRIGATION	STUDIES ON THE USE OF SEWAGE EFFLUENT FOR IRRIGATION FOR TRUCK CROPS. *SALMONELLA*ASCARIS*ENDAMOEBIA COLI*	CA20NLR -7280109- -
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IRRIGATION	EFFECTS ON VEGETATION OF IRRIGATION WITH WASTE TREATMENT EFFLUENTS AND POSSIBLE PLANT PATHOGEN-IRRIGATION INTERACTIONS.	CA20NLR -7280007- -
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IRRIGATION	SALVAGE OF SEWAGE: FINAL REPORT OF THE JOINT COMMITTEE OF THE SANITARY ENGINEERING DIVISION AND THE IRRIGATION DIVISION. *FERTILIZER*IRRIGATION*	CA20NLR -7280362- -
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LAND	LAND DISPOSAL OF SEWAGE SLUDGE: III. THE EFFECT ON SOIL NITRATE.	CA20NLR -7280116- -
LAND	SEWAGE DISPOSAL BY LAND IRRIGATION. *PHOSPHORUS*POTASSIUM*PH*HUMUS*	CA20NLR -7280429- -
LAND	WASSERGUTEUNTERSUCHUNGEN VON INDUSTRIELLEN ABWASSERN FUR DIE ABWASSERLANDBEHANDLUNG (STUDIES ON WATER QUALITY OF INDUSTRIAL SEWAGE IN THE LIGHT OF SEWAGE DISPOSAL BY LAND TREATMENT. *HUNGARY*SODIUM*SALTS*	CA20NLR -7280451- -
LAND	EXPERIENCES WITH THE SLUDGE PROGRAM IN THE DENVER AREA. *INCINERATION*LAND*	CA20NLR -7280506- -
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LAND	UNTERBRINGUNG VON LANDWIRTSCHAFTLICHEN UND KOMMUNALEN ABFALLSTOFFEN IM BODEN. (LAND DISPOSAL OF AGRICULTURAL AND MUNICIPAL WASTE).	CA20NLR -7280467- -
LAND	DISPOSAL OF SLUDGES ON LAND. *FERTILIZER*MANURE*	CA20NLR -7280385- -
LAND	LAND IN SEWAGE PURIFICATION. *SLUDGE*IRRIGATION*COPPER*CHROMIUM*NICKEL*	CA20NLR -7280384- -
LAND	LAND DISPOSAL OF SEWAGE AND INDUSTRIAL WASTES.	CA20NLR -7280382- -
LAND	LAND DISPOSAL OF ACTIVATED SLUDGE AT SAN MARCOS, TEXAS. *RIDGE-FURROW*	CA20NLR -7280546- -
LAND	DIGESTED SLUDGE DISPOSAL ON CROP LAND. *NITRATE*HEAVY METALS*CHICAGO*	CA20NLR -7280541- -
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LAND	HYGIENE OF LAND TREATMENT OF SEWAGE. *PATHOGENS*	CA20NLR -7280150- -
LAND	COMPLEMENTARY RELATIONSHIPS BETWEEN RECLAMATION OF SURFACE MINED LAND AND SLUDGE DISPOSAL.	CA20NLR -7280167- -
LAND	LAND DISPOSAL OF LIQUID SEWAGE SLUDGE; I. THE EFFECT ON THE GROWTH, CHEMICAL COMPOSITION AND IN VIVO DIGESTIBILITY OF COASTAL PERMUDAGRASS(CYNODON DACTYLON L. PERS.). *NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*MAGNESIUM*S	CA20NLR -7280174- -
LAND	ZUM REINIGUNGSEFFEKT DER ABWASSERLANDBEHANDLUNG IN BIOLOGISCH-HYGIENISCHER SICHT (BIOLOGICO-HYGIENIC ASPECTS OF PURIFICATION EFFICIENCY IN SEWAGE DISPOSAL BY LAND TREATMENT). *COLIFORM*LEACHING*	CA20NLR -7280170- -
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LAND	INFLUENCE OF SEWAGE DISPOSAL BY LAND TREATMENT OF WATERS. *POLAND*PHOSPHORUS*REMOVAL*	CA20NLR -7280233- -
LAND	TECHNISCHE FRAGEN DER GANZJAHRIGEN ABWASSERLANDBEHANDLUNG SOWIE GANZJAHRIGE BEWASSERUNG SCHWERER BODEN MIT KOMMUNALEN ABWASSERN (TECHNICAL QUESTIONS RELATED WITH YEAR-ROUND LAND TREATMENT OF SEWAGE EFFLUENT AS WELL AS	CA20NLR -7280339- -
LAND	LAND TREATMENT OF SEWAGE. *BACTERIA*	CA20NLR -7280359- -
LAND	THE EFFECTS OF TRACE ELEMENTS ON THE EXHAUSTION OF SEWAGE-IRRIGATED LAND. *FRANCE*GERMANY*COPPER*ZINC*TOXICITY*MANGANESE*SODIUM*COBALT*POLYBROMIN*BORON*	CA20NLR -7280352- -
LAND	DIE STELLUNG DER ABWASSERLANDBEHANDLUNG ALS REGELMETHODE DER ABWASSERREINIGUNG UND ERFORDERNISSE ZU IHRER WEITERENTWICKLUNG IN DER DDR. (SEWAGE DISPOSAL BY LAND TREATMENT--A REGULAR METHOD OF WATER PURIFICATION, IT	CA20NLR -7280354- -

LAND	DISPOSAL OF HIGH ORGANIC CONTENT WASTES ON LAND. *SLUDGE*SULFITE*WHEY*	CA20NLP -7280329- -
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LANDBAU	ZUR PROBLEMATIK DER ABWASSERSCHLAMMVERWERTUNG IM LANDBAU (THE PROBLEMS OF THE UTILIZATION OF SEWAGE SLUDGE IN AGRICULTURE).	CA20NLP -7280180- -
LANDWIRTSCHAFT	KLAPPSCHLAMMVERWERTUNG IN DER LANDWIRTSCHAFT (THE USE OF SEWAGE SLUDGE IN AGRICULTURE).	CA20NLR -7280307- -
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LATITUDE	RIDGE AND FURROW LIQUID WASTE DISPOSAL IN NORTHERN LATITUDE. *SPRINKLER*FLOOD*PIDGE-FURROW*NITROGEN*PHOSPHORUS*	CA20NLR -7280049- -
LEACHING	RETURNING WASTES TO THE LAND, A ROLE FOR AGRICULTURE. *BORON*SODIUM*POTASSIUM*MAGNESIUM*CALCIUM*NITROGEN*PHOSPHORUS*SULFUR*CHLORIDE*LEACHING*EFFLUENT*REVIEW*	CA20NLR -7280038- -
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LEACHING	THE PURIFYING EFFECT OF DIFFERENT METHODS OF SEWAGE-WATER TREATMENT IN INVESTIGATIONS OF BERLIN SAND SOIL. *IRRIGATION*SPRINKLER*FLOOD*FURROW*LEACHING*NITROGEN*NITRATE*AMMONIUM*PHOSPHORUS*POTASSIUM*CALCIUM*SODIUM*	CA20NLR -7280183- -
LEACHING	TRACE ELEMENT REMOVAL FROM SEWAGE EFFLUENT BY SOIL FILTRATION. *IRON*MANGANESE*NICKEL*COPPER*ZINC*LEAD*CADMIUM*LEACHING*	CA20NLR -7280247- -
LEACHING	CHEMICAL CHANGES IN SEWAGE DURING RECLAMATION BY SPREADING. *AMMONIUM*LEACHING*NITRATE*CALCIUM*MAGNESIUM*PHOSPHORUS*SODIUM*SULFATE*CHLORIDE*BICARBONATE*	CA20NLR -7280145- -
LEACHING	NORTHWESTERN UNIVERSITY SOIL ENRICHMENT RECLAMATION PROJECT. *LEACHING*NITRATE*NITRITE*NITROGEN*	CA20NLP -7280159- -
LEACHING	CHEMICAL INTERACTIONS OF WASTEWATER IN A SOIL ENVIRONMENT. *LEACHING*	CA20NLP -7280147- -
LEACHING	SEWAGE EFFLUENT DISPOSAL THROUGH CROP IRRIGATION. *COLIFORM*LEACHING*NITROGEN*PHOSPHORUS*MAGNESIUM*CALCIUM*SODIUM*POTASSIUM*	CA20NLR -7280161- -
LEACHING	ZUR REINIGUNGSEFFIZIENZ DER ABWASSERLANDBEHANDLUNG IN BIOLOGISCH-HYGIENISCHER SICHT (BIOLOGICO-HYGIENIC ASPECTS OF PURIFICATION EFFICIENCY IN SEWAGE DISPOSAL BY LAND TREATMENT). *COLIFORM*LEACHING*	CA20NLR -7280170- -
LEACHING	THE EFFECT OF LIQUID SLUDGE ON GROWTH AND CHEMICAL COMPOSITION OF COASTAL PERMUAGRASS AND RYE AND ON SOIL PROPERTIES, AMMONIA VOLATILIZATION, AND NITRATE LEACHING.	CA20NLR -7280171- -
LEACHING	FACTORS INFLUENCING THE DESIGN AND OPERATION OF SOIL SYSTEMS FOR WASTE TREATMENT. *LEACHING*NITRATE*NITRITE*AMMONIUM*ARS*COLIFORM*BACTERIA*COD*POD*	CA20NLP -7280356- -
LEAD	ON TOXICITY OF WASTE WATERS FROM MINING AND METALLURGICAL INDUSTRIES. *COPPER*LEAD*ZINC*	CA20NLP -7280370- -

LEAD	SEWAGE SLUDGE AS FERTILIZER. *NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*LEAD*MAGNESIUM*COPPER*IRON*ALUMINUM*ZINC*ARSENIC*BARIUM*SULFUR*MANGANESE*BISMUTH*CHLORINE*ANTHRA* CA20NLR -7280289- -
LEAD	METAL CONTENT IN SLUDGE FROM WASTE WATER TREATMENT PLANTS IN THE SURROUNDINGS OF COPENHAGEN. *CHROMIUM*MANGANESE*NICKEL*COBALT*ZINC*CADMIUM*COPPER*LEAD*IRON* CA20NLR -7280281- -
LEAD	FEASIBILITY OF RADIOISOTOPE X-RAY FLUORESCENCE ANALYSIS FOR MEASURING WATER POLLUTION BY METALS. *ANALYTICAL*IRON*COPPER*LEAD*ZINC*MERCURY*CADMIUM* CA20NLR -7280169- -
LEAD	TRACE ELEMENT REMOVAL FROM SEWAGE EFFLUENT BY SOIL FILTRATION. *IRON*MANGANESE*NICKEL*COPPER*ZINC*LEAD*CADMIUM*LEACHING* CA20NLR -7280247- -
LEAD	METAL CONTAMINATION OF SOIL IN WORM MARKET-GARDEN EXPERIMENT RESULTING FROM APPLICATION OF SEWAGE SLUDGE. *COBALT*CHROMIUM*COPPER*MOLYBDENUM*NICKEL*LEAD*ZINC* CA20NLR -7280246- -
LEAD	METALS IN MUNICIPAL SEWAGE SYSTEMS. *CHROMIUM*ZINC*COPPER*NICKEL*LEAD*MANGANESE*TITANIUM* CA20NLR -7280223- -
LEAD	TRACE ELEMENTS IN SEWAGE SLUDGE. *ZINC*CHROMIUM*COPPER*NICKEL*TIN*SILVER*BISMUTH*LEAD*MANGANESE*VANADIUM*TOXICITY* CA20NLR -7280208- -
LEAD	SOME CHANGES IN POLLUTED WATER DURING PERCOLATION THROUGH SOIL. *COPPER*NICKEL*CHROMIUM*MANGANESE*ZINC*LEAD*IRON*AMMONIUM* CA20NLR -7280034- -
LEAD	THE USE OF INDUSTRIAL PRODUCTS AS FERTILIZERS WITH TRACE ELEMENTS IN ROMANIA. *COBALT*IRON*MANGANESE*CONTENT*LEAD*ZINC*COPPER*SULFUR* CA20NLR -7280051- -
LEAD	THE EFFECT OF FLOODING AND AERATION ON THE MOBILITY OF CERTAIN TRACE ELEMENTS IN SOILS. *LEAD*COPPER*NICKEL*ZINC*COBALT*MANGANESE*CHROMIUM*OXIDATION*REOXIDATION*VANADIUM*MOLYBDENUM* CA20NLR -7280134- -
LEAD	UTILIZATION OF URBAN WASTES IN CROP PRODUCTION. *GARBAGE*SLUDGE*BORON*COPPER*LEAD*MANGANESE*ZINC*NICKEL*CHROMIUM*CADMIUM*EFFLUENT* CA20NLR -7280021- -
LEAD	THE FATE OF LEAD DURING TREATMENT OF SEWAGE. *SLUDGE*LIME*ALUM* CA20NLR -7280381- -
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LEAD	FERTILIZER AND FERTILITY VALUE OF SEWAGE SLUDGE. *NITROGEN*PHOSPHORUS*POTASSIUM*ALUMINUM*CALCIUM*MAGNESIUM*MANGANESE*SODIUM*TITANIUM*COPPER*BARIUM*ZINC*LEAD*NICKEL*COBALT*SULFUR*CHROMIUM*ARSENIC*BORON*IODINE*GREASE*LEAD* CA20NLR -7280522- -
LEAD	HEAVY METAL CONTAMINATION OF SOILS. *SEWAGE*SLUDGE*COPPER*ZINC*MANGANESE*NICKEL*ALUMINUM*MERCURY*CADMIUM*LEAD*REVIEW* CA20NLR -7280535- -
LEAD	THE AVAILABILITY OF CR, NI, ZN, CO, SN, AND PB FOR PLANTS. *CHROMIUM*NICKEL*ZINC*CADMIUM*TIN*LEAD* CA20NLR -7280545- -
LEAD	AGRICULTURAL BENEFITS AND ENVIRONMENTAL CHANGES RESULTING FROM THE USE OF DIGESTED SEWAGE SLUDGE ON FIELD CROPS. *NITROGEN*PHOSPHORUS*POTASSIUM*CHROMIUM*CADMIUM*COPPER*LEAD*MANGANESE*NICKEL*ZINC*COLIFORM*VIRUS* CA20NLR -7280540- -
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LIME	PHOSPHATE REMOVAL BY A LIME-BIOLOGICAL TREATMENT SCHEME. *LIME*ORTHOPHOSPHATE*POLYPHOSPHATE* CA20NLR -7280521- -

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MANGANESE	THE USE OF INDUSTRIAL PRODUCTS AS FERTILIZERS WITH TRACE ELEMENTS IN ROMANIA. *COBALT*IRON*MANGANESE*CONTENT*LEAD*ZINC*COPPER*SULFUR*	CA20NLR -7280051- -
MANGANESE	EFFECT OF ADDITION OF COPPER, MANGANESE, ZINC, AND CHROMIUM COMPOUNDS ON AMMONIFICATION AND NITRIFICATION DURING INCUBATION OF SOIL. *TOXIC*AFERATION*	CA20NLR -7280037- -
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MANGANESE	HEAVY METAL CONTAMINATION OF SOILS. *SEWAGE*SLUDGE*COPPER*ZINC*MANGANESE*NICKEL*ALUMINUM*MERCURY*CADMIUM*LEAD*REVIEW*	CA20NLR -7280535- -
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MANGANESE	ABSORPTION REACTIONS OF MICRONUTRIENTS IN SOILS. *COPPER*ZINC*BORON*MOLYBDENUM*IRON*MANGANESE*	CA20NLR -7280492- -
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MANGANESE	CORRECTION OF MICRONUTRIENT DEFICIENCIES WITH FERTILIZERS. *BORON*COPPER*ZINC*IRON*MANGANESE*MOLYBDENUM*	CA20NLR -7280431- -
MANGANESE	EFFECT OF ALUMINUM AND MANGANESE ON SEED GERMINATION AND SEEDLING GROWTH OF DIFFERENT TYPES OF TREES.	CA20NLR -7280301- -
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MANGANESE	METAL CONTENT IN SLUDGE FROM WASTE WATER TREATMENT PLANTS IN THE SURROUNDINGS OF COPENHAGEN. *CHROMIUM*MANGANESE*NICKEL*COBALT*ZINC*CADMIUM*COPPER*LEAD*IRON*	CA20NLR -7280281- -
MANGANESE	INCUBATION STUDY OF NITRIFICATION OF DIGESTED SEWAGE SLUDGE ADDED TO SOIL. *COPPER*ZINC*MANGANESE*CHROMIUM*AMMONIUM*	CA20NLR -7280267- -

MAGNESIUM	LAND DISPOSAL OF LIQUID SEWAGE SLUDGE; I. THE EFFECT ON THE GROWTH, CHEMICAL COMPOSITION AND IN VIVO DIGESTIBILITY OF COASTAL REPMUDAGRASS(CYNODON DACTYLON L. PERS). *NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*MAGNESIUM*S	CA20NLR -7280174- -
MAGNESIUM	AN INVESTIGATION OF SEWAGE SPREADING ON FIVE CALIFORNIA SOILS. *INFILTRATION*COLIFORM*CALCIUM*MAGNESIUM*SODIUM*POTASSIUM*IRRIGATION*	CA20NLR -7280286- -
MAGNESIUM	AGRICULTURAL USAGE OF SEWAGE OF THE TOWN OF ZORY. *NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*MAGNESIUM*IRON*CHLORIDES*	CA20NLR -7280266- -
MAGNESIUM	SEWAGE SLUDGE AS FERTILIZER. *NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*LEAD*MAGNESIUM*COPPER*IRON*ALUMINUM*ZINC*ARSENIC*BARIUM*SULFUR*MANGANESE*IRIDIUM*CHLORINE*TOLEDO*	CA20NLR -7280299- -
MAGNESIUM	STUDIES OF WASTE WATER RECLAMATION AND UTILIZATION. *REVIEW*CALCIUM*MAGNESIUM*SODIUM*POTASSIUM*AMMONIUM*SULFUR*NITRATE*BORON*CONDUCTIVITY*CALIFORNIA*	CA20NLR -7280024- -
MAGNESIUM	RETURNING WASTES TO THE LAND, A ROLE FOR AGRICULTURE. *BORON*SODIUM*POTASSIUM*MAGNESIUM*CALCIUM*NITROGEN*PHOSPHORUS*SULFUR*CHLORIDE*LEACHING*EFFLUENT*REVIEW*	CA20NLR -7280038- -
MAGNESIUM	COMPOSITION AND NITRIFICATION CHARACTERISTICS OF SOME SEWAGE AND INDUSTRIAL SLUDGES. *ACTIVATED*DIGESTED*NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*MAGNESIUM*COPPER*BORON*MANGANESE*MOLYBDENUM*ZINC* SULFUR*PH*	CA20NLR -7280011- -
MAGNESIUM	DISPOSAL OF MUNICIPAL WASTE WATER THROUGH FOREST IRRIGATION. *PENNSYLVANIA*NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*MAGNESIUM*MANGANESE*IRON*COPPER*BORON*ALUMINUM*ZINC*SODIUM*SEWAGE*	CA20NLR -7280502- -
MAGNESIUM	FERTILIZER AND FERTILITY VALUE OF SEWAGE SLUDGE. *NITROGEN*PHOSPHORUS*POTASSIUM*ALUMINUM*CALCIUM*MAGNESIUM*MANGANESE*SODIUM*TITANIUM*COPPER*BARIUM*ZINC*LEAD*NICKEL*COBALT*SULFUR*CHROMIUM*ARSENIC*BORON*IODINE*GREASE*L	CA20NLR -7280522- -
MAGNESIUM	OBSERVATIONS ON SOME MINERALS AND B VITAMINS IN SEWAGE AND SLUDGES. *PHOSPHORUS*SULFATE*SULFIDE*IRON*CALCIUM*MAGNESIUM*COPPER*ZINC*CHROMIUM*NICKEL*MOLYBDENUM*COBALT*	CA20NLR -7280478- -
MAGNESIUM	SPECTROGRAPHIC ANALYSIS OF AIR-DRIED SEWAGE SLUDGE. *ALUMINUM*CALCIUM*IRON*MAGNESIUM*TITANIUM*BARIUM*COPPER*MANGANESE*SODIUM*NICKEL*TIN*VANADIUM*ZINC*SILVER*ZIRCONIUM*BORON*BERYLLIUM*CHROMIUM*COBALT*GALLIUM*MOLYBDENUM	CA20NLR -7280469- -
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MANGANESE	THE ROLES OF MANGANESE IN THE REFUSE-SLUDGE COMPOSTS.	CA20NLR -7280248- -
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MAPLE	PREPARATION OF REFUSE COMPOSTS AND REFUSE-SEWAGE-SLUDGES COMPOSTS AND TESTS OF THEIR MANURIAL VALUE.	CA20NLR -7280209- -
MARCONS	DEVELOPMENTS IN SLUDGE TREATMENT AND DISPOSAL AT THE MAPLE LODGE WORKS, ENGLAND.	CA20NLR -7280546- -
MARKET	LAND DISPOSAL OF ACTIVATED SLUDGE AT SAN MARCONS, TEXAS. *RIDGE-FURROW*	CA20NLR -7280246- -
MARKET	METAL CONTAMINATION OF SOIL IN WOBURN MARKET-GARDEN EXPERIMENT RESULTING FROM APPLICATION OF SEWAGE SLUDGE. *COBALT*CHROMIUM*COPPER*POLYBODENUM*NICKEL*LEAD*ZINC*	CA20NLR -7280464- -
MARKETING	THE WOBURN MARKET-GARDEN EXPERIMENT: SUMMARY 1944-60.	CA20NLR -7280250- -
MARSHALL	MARKETING SEWAGE SLUDGE IN THE NORTHWEST *FERTILIZER*	CA20NLR -7280158- -
MEADOWS	DISPOSAL OF WET DIGESTED SLUDGE AT MARSHALL, MISSOURI.	CA20NLR -7280043- -
MEASURED	THE EFFECT OF SPRINKLING IRRIGATION WITH SEWAGE ON THE PRODUCTIVITY OF MEADOWS AND SOME BIOCHEMICAL PHENOMENA IN THE SOIL.	CA20NLR -7280015- -
MEASURING	EFFECTS OF ORGANIC AMENDMENTS ON MANGANESE TOXICITY IN POTATOES AS MEASURED BY SAND AND SOIL CULTURE STUDIES.	CA20NLR -7280169- -
MECHANICALLY	FEASIBILITY OF RADIOISOTOPE X-RAY FLUORESCENCE ANALYSIS FOR MEASURING WATER POLLUTION BY METALS. *ANALYTICAL*IRON*COPPER*LEAD*ZINC*MERCURY*CADMIUM*	CA20NLR -7280153- -
MENNINGEN	EFFECT OF UNTREATED, MECHANICALLY PURIFIED, AND BIOLOGICALLY TREATED SEWAGE ON FIELD YIELD. *NITROGEN*PHOSPHORUS*POTASSIUM*	CA20NLR -7230058- -
	THE SEWAGE UTILIZATION PLANT AT MENNINGEN.	

MERCURY	FEASIBILITY OF LEAD ISOTOPE X-RAY FLUORESCENCE ANALYSIS FOR MEASURING WATER POLLUTION BY METALS. *ANALYTICAL* Pb*CO*PO*Pb*LEAD*ZINC*MERCURY*CADMIUM*	CA20NLF -7280169- -
MERCURY	LEAD, MERCURY, AND CADMIUM AS ENVIRONMENTAL CONTAMINANTS.	CA20NLF -7280499- -
MERCURY	HEAVY METAL CONTAMINATION OF SOILS. *SEWAGE*SLUDGE*COPPER*ZINC*MANGANESE*NICKEL*ALUMINUM*MERCURY*CADMIUM*LEAD* REVIEW*	CA20NLR -7280535- -
MERCURY	TRANSPORT OF NUTRIENT SALTS AND TOXIC SUBSTANCES IN THE SOIL-PLANT-ANIMAL ECOSYSTEM. *MERCURY*SEWAGE*FERTILIZE R*PHOSPHORUS*NITROGEN*SLUDGE*	CA20NLP -7280324- -
MESOPHILIC	LABORATORY STUDIES IN MESOPHILIC AND THERMOPHILIC ANAEROBIC SLUDGE DIGESTION.	CA20NLR -7280525- -
MESTSTOF	HET GEBRUIK VAN RIJNDSLIB ALS MESTSTOF (THE USE OF SEWAGE SLUDGE AS FERTILIZER).	CA20NLF -7280449- -
METAL	HEAVY METAL CONTAMINATION OF SOILS. *SEWAGE*SLUDGE*COPPER*ZINC*MANGANESE*NICKEL*ALUMINUM*MERCURY*CADMIUM*LEAD* REVIEW*	CA20NLR -7280535- -
METAL	DIE NACHWIRKUNG VON SCHWERMETALLHALTIGEM ABWASSER-KLARSCHLAMM IN EINEM FELDOVERSUCH (THE AFTER-EFFECT OF THE TPE ATED SLUDGE OF WASTE WATER CONTAINING HEAVY METAL IN A FIELD TEST).	CA20NLR -7280336- -
METAL	METAL CONTENT IN SLUDGE FROM WASTE WATER TREATMENT PLANTS IN THE SURROUNDINGS OF COPENHAGEN. *CHROMIUM*MANGANE SE*NICKEL*COBALT*ZINC*CADMIUM*COPPER*LEAD*IRON*	CA20NLR -7280281- -
METAL	METAL CONTAMINATION OF SOIL IN WOBURN MARKET-GARDEN EXPERIMENT RESULTING FROM APPLICATION OF SEWAGE SLUDGE. *C OBALT*CHROMIUM*COPPER*MOLYBDENUM*NICKEL*LEAD*ZINC*	CA20NLR -7280246- -
METAL	THE SOLUBILITY OF HEAVY METAL HYDROXIDES IN WATER, SEWAGE AND SEWAGE SLUDGE. III. THE SOLUBILITY OF HEAVY METAL LS PRESENT IN DIGESTED SEWAGE SLUDGE *NICKEL*IRON*ZINC*COPPER*SODIUM*POTASSIUM*CALCIUM*	CA20NLR -7280192- -
METAL	THE SOLUBILITY OF HEAVY METAL HYDROXIDES IN WATER, SEWAGE AND SEWAGE SLUDGE. I. THE SOLUBILITY OF SOME METAL H YDROXIDES. *COPPER*NICKEL*CHROMIUM*CADMIUM*	CA20NLR -7280191- -
METAL	THE SOLUBILITY OF HEAVY METAL HYDROXIDES IN WATER, SEWAGE AND SEWAGE SLUDGE. II. THE PRECIPITATION OF METALS B Y SEWAGE. *COPPER*NICKEL*ZINC*IRON*	CA20NLP -7280190- -
METAL	THE SOLUBILITY OF HEAVY METAL HYDROXIDES IN WATER, SEWAGE AND SEWAGE SLUDGE. I. THE SOLUBILITY OF SOME METAL H YDROXIDES. *COPPER*NICKEL*CHROMIUM*CADMIUM*	CA20NLR -7280191- -
METAL	EFFECTS OF HEAVY METAL IONS ON THE GROWTH OF MICROORGANISMS. *ZINC*NICKEL*COBALT*COPPER*BACTERIA*YEASTS*MOLDS* TOXIC*	CA20NLP -7280018- -
METAL	METAL AND PARTICULATE EMISSIONS FROM INCINERATORS BURNING SEWAGE SLUDGE AND MIXED REFUSE.	CA20NLR -7280002- -
METAL	COMBINING CAPACITY OF ANAEROBIC DIGESTED SLUDGE FOR HEAVY METAL IONS. *COPPER*NICKEL*ZINC*	CA20NLR -7280136- -
METALLURGICAL	ON TOXICITY OF WASTE WATERS FROM MINING AND METALLURGICAL INDUSTRIES. *COPPER*LEAD*ZINC*	CA20NLR -7280370- -
METALS	POLAROGRAPHIC DETERMINATION OF METALS IN SEWAGE AND SEWAGE SLUDGES. *ANALYTICAL*COPPER*IRON*CHROMIUM*CADMIUM*N ICKEL*ZINC*	CA20NLR -7280277- -
METALS	HEAVY METALS AND CHLORINATED HYDROCARBONS IN SLUDGE. LINDANE*SEWAGE*SLUDGES*DDT*SEWAGE*SLUDGE*BIPHENYLS*POLYCH LORINATED*SEWAGE*	CA20NLR -7280291- -
METALS	WATER ANALYSIS. *ANALYTICAL*METALS*HARDNESS*NITROGEN*C.O.D.*B.O.D.*	CA20NLR -7280123- -
METALS	THE SOLUBILITY OF HEAVY METAL HYDROXIDES IN WATER, SEWAGE AND SEWAGE SLUDGE. II. THE PRECIPITATION OF METALS B Y SEWAGE. *COPPER*NICKEL*ZINC*IRON*	CA20NLR -7280190- -
METALS	THE SOLUBILITY OF HEAVY METAL HYDROXIDES IN WATER, SEWAGE AND SEWAGE SLUDGE. III. THE SOLUBILITY OF HEAVY METAL LS PRESENT IN DIGESTED SEWAGE SLUDGE *NICKEL*IRON*ZINC*COPPER*SODIUM*POTASSIUM*CALCIUM*	CA20NLP -7280192- -

METALS	METALS IN MUNICIPAL SEWERAGE SYSTEMS. *CHROMIUM*ZINC*COPPER*NICKEL*LEAD*MANGANESE*TITANIUM*	CA20NLP -72B0223- -
METALS	FEASIBILITY OF RADIOISOTOPE X-RAY FLUORESCENCE ANALYSIS FOR MEASURING WATER POLLUTION BY METALS. *ANALYTICAL*IRON*COPPER*LEAD*ZINC*MERCURY*CADMIUM*	CA20NLP -72B0169- -
METALS	AGRICULTURAL USES OF RECLAIMED SEWAGE EFFLUENT. *IRRIGATION*TOXIC*BORON*METALS*	CA20NLR -72B0421- -
METALS	INTERACTIONS BETWEEN BLUE-GREEN ALGAE AND HEAVY METALS. *ZINC*NICKEL*CADMIUM*COPPER*SLUDGE*	CA20NLP -72B0399- -
METALS	UTILIZATION OF MICRO GREEN ALGAE FOR TREATMENT OF INDUSTRIAL WASTES OR POLLUTED WATER. III. RESISTANCE OF LIVE CHLORELLA IN POLLUTED WATER TO TOXICITY OF SOME HEAVY METALS.	CA20NLP -72B0375- -
METALS	DIGESTED SLUDGE DISPOSAL ON CROP LAND. *NITRATE*HEAVY METALS*CHICAGO*	CA20NLR -72B0541- -
METHANE	ELECTRODE POTENTIALS DEVELOPED DURING SLUDGE DIGESTION. *METHANE*PH*VOLATILE ACIDS*	CA20NLR -72B0548- -
METHANE	CHANGES IN CHEMICAL PROPERTIES OF SEWAGE SLUDGE DURING METHANE FERMENTATION.	CA20NLR -72B0249- -
METHANOGENIC	POPULATION DESCRIPTION OF THE NON-METHANOGENIC PHASE OF ANAEROBIC DIGESTION- I ISOLATION, CHARACTERIZATION AND IDENTIFICATION OF NUMERICALLY IMPORTANT BACTERIA.	CA20NLR -72B0514- -
MIAMI	LIQUID SLUDGE DISPOSAL AT MIAMI, FLORIDA.	CA20NLP -72B0057- -
MICHIGAN	INCIDENCE OF CHROMIUM CONTAMINATION OF GROUNDWATER IN MICHIGAN.	CA20NLR -72B0549- -
MICRO	TOXICITY OF CHROMIUM SALTS IN RELATION TO MICRO-ORGANISMS RESPONSIBLE FOR PURIFICATION.	CA20NLR -72B0027- -
MICRO	UTILIZATION OF MICRO GREEN ALGAE FOR TREATMENT OF INDUSTRIAL WASTES OR POLLUTED WATER. III. RESISTANCE OF LIVE CHLORELLA IN POLLUTED WATER TO TOXICITY OF SOME HEAVY METALS.	CA20NLR -72B0375- -
MICRO	THE EFFECT OF SEWAGE SLUDGE ON SOILS AND MICRO-ORGANISMS. *AZOTOBACTER*NITRATE*AMMONIUM*COLIFORM*BACTERIA*	CA20NLR -72B0143- -
MICROBIAL	MICROBIAL RELEASE OF SOLUBLE PHOSPHATE IN AN ACTIVATED SLUDGE ENVIRONMENT. *TOXIC*ALCOHOL*SULPHATE*SALT*	CA20NLP -72B0366- -
MICROBIAL	MICROBIAL AND CHEMICAL STUDY OF SEWAGE AND INDUSTRIAL WASTE.	CA20NLP -72B0318- -
MICROBIOLOGICAL	MIKROBIOLOGISCHE UNTERSUCHUNGEN IM ABWASSERFAULSCHLAMM- VERSUCH DIETERSHEIM (MICROBIOLOGICAL ANALYSES IN THE DIETERSHEIM TEST ON DIGESTED SEWAGE SLUDGE.	CA20NLR -72B0300- -
MICROBIOLOGY	ANAEROBIC DIGESTION I. THE MICROBIOLOGY OF ANAEROBIC DIGESTION. *BACTERIA*FUNGI*SLUDGE*REVIEW*	CA20NLR -72B0513- -
MICROBIOLOGUS	DIRECT-ISOLATION STUDIES ON AEROBIC AND FACULTATIVE ANAEROBIC BACTERIAL FLORA OF ANAEROBIC DIGESTERS RECEIVING RAW SEWAGE SLUDGE. *COLIFORM*BACILLUS*PSEUDOMONAS*MICROCOCCUS*	CA20NLR -72B0465- -
MICROFLORA	DECOMPOSITION OF THIUREAS BY A PENICILLIUM SPECIES AND SOIL AND SEWAGE-SLUDGE MICROFLORA.	CA20NLR -72B0252- -
MICRONUTRIENT	CORRECTION OF MICRONUTRIENT DEFICIENCIES WITH FERTILIZERS. *BORON*COPPER*ZINC*IRON*MANGANESE*MOLYBDENUM*	CA20NLR -72B0431- -
MICRONUTRIENT	MICRONUTRIENT SOIL TESTS. *BORON*COPPER*IRON*MANGANESE*MOLYBDENUM*ZINC*	CA20NLP -72B0512- -
MICRONUTRIENTS	PLANT TISSUE ANALYSIS FOR MICRONUTRIENTS.	CA20NLR -72B0515- -
MICRONUTRIENTS	MICRONUTRIENTS IN AGRICULTURE. *COPPER*ZINC*IRON*BORON*MANGANESE*MOLYBDENUM*	CA20NLR -72B0430- -
MICRONUTRIENTS	ABSORPTION REACTIONS OF MICRONUTRIENTS IN SOILS. *COPPER*ZINC*BORON*MOLYBDENUM*IRON*MANGANESE*	CA20NLP -72B0492- -
MICRONUTRIENTS	ORGANIC MATTER REACTIONS INVOLVING MICRONUTRIENTS IN SOILS.	CA20NLR -72B0488- -
MICRONUTRIENTS	EFFECTS OF HEAVY METAL IONS ON THE GROWTH OF MICROORGANISMS. *ZINC*NICKEL*COBALT*COPPER*BACTERIA*YEASTS*MOULDS*TOXIC*	CA20NLR -72B0018- -

MICROPLOTS	EXPERIMENTS WITH FARMYARD MANURE, SEWAGE SLUDGES AND TOWN REFUSE ON MICROPLOTS AT SCHOOLS 1940-1949.	CA20NLR -7240132- -
MIEJSKIMI	WYNIKI DOŚWIADCZEŃ Z NAWODNIENIEM ROSLIN UPRAWNYCH MIEJSKIMI WODAMI SCIEKOWYMI SYSTEMEM SMUZYNY I BRUZOOWYM W KAMIENIU WROCLAWSKIM. (RESULTS OF TRIALS IN KAMIEŃC WROCLAWSKI AND IRRIGATION OF CROPS WITH SEWAGE).	CA20NLR -7280255- -
MIKROBIOLOGISCHE	MIKROBIOLOGISCHE UNTERSUCHUNGEN IM ABWASSERFAULSCHLAMM- VERSUCH DIETERSHEIM (MICROBIOLOGICAL ANALYSES IN THE DIETERSHEIM TEST ON DIGESTED SEWAGE SLUDGE).	CA20NLR -7280300- -
MINE	SEWAGE EFFLUENT AND SLUDGE MAKE POSSIBLE REVEGETATION OF STRIP MINE SPOIL BANKS.	CA20NLP -7280401- -
MINED	COMPLEMENTARY RELATIONSHIPS BETWEEN RECLAMATION OF SURFACE MINED LAND AND SLUDGE DISPOSAL.	CA20NLP -7280167- -
MINERAL	EFFECTS OF CHROMIUM ON GROWTH AND MINERAL NUTRITION OF SOYBEANS.	CA20NLR -7280135- -
MINERAL	EFFICIENCY OF COMBINED APPLICATION OF MINERAL FERTILIZERS AND SEWAGE TO CULTIVATED PASTURES.	CA20NLP -7280069- -
MINERALDÜNGUNG	FÜNFJÄHRIGE ERGEBNISSE EINES VERGLEICHENDEN FELDERVERSUCHS MIT ABWASSERFAULSCHLAMMEN, STALLMIST UND MINERALDÜNGUNG AUF SANDBODEN (RESULTS OF A COMPARATIVE FIELD TEST OVER FIVE YEARS WITH DIGESTED SEWAGE SLUDGE, FARM YAP	CA20NLR -7280181- -
MINERALISATION	INCUBATION STUDY OF NITROGEN MINERALISATION IN SOIL TREATED WITH DRIED SEWAGE SLUDGE.	CA20NLR -7280503- -
MINERALS	CONTROL OF FERTILIZING MINERALS IN SEWAGE PLANT EFFLUENTS. *ALGAE*FILTRATION*	CA20NLR -7280406- -
MINERALS	OBSERVATIONS ON SOME MINERALS AND B VITAMINS IN SEWAGE AND SLUDGES. *PHOSPHORUS*SULFATE*SULFIDE*IRON*CALCIUM*AMAGNESIUM*COPPER*ZINC*CHROMIUM*NICKEL*MOLYBDENUM*COBALT*	CA20NLR -7280478- -
MINERALS	SIGNIFICANCE OF MINERALS IN WASTE-WATER.	CA20NLR -7280284- -
MINING	ON TOXICITY OF WASTE WATERS FROM MINING AND METALLURGICAL INDUSTRIES. *COPPER*LEAD*ZINC*	CA20NLP -7280370- -
MINIP	"MILORGANITE" AS A SOURCE OF MINOR NUTRIENT ELEMENTS FOR PLANTS. *BORON*COPPER*MANGANESE*ZINC*	CA20NLR -7280361- -
MINIP	BIBLIOGRAPHY OF REFERENCES TO THE LITERATURE ON THE MINOR ELEMENTS AND THEIR RELATION TO PLANT AND ANIMAL NUTRITION.	CA20NLR -7280508- -
MISSOURI	DISPOSAL OF WET DIGESTED SLUDGE AT MARSHALL, MISSOURI.	CA20NLR -7280158- -
MOBILITY	THE EFFECT OF FLOODING AND AERATION ON THE MOBILITY OF CERTAIN TRACE ELEMENTS IN SOILS. *LEAD*COPPER*NICKEL*ZINC*COBALT*MANGANESE*CHROMIUM*OXIDATION*REOXIDATION*VANADIUM*MOLYBDENUM*	CA20NLP -7280134- -
MODEL	A COMPUTER MODEL FOR STORAGE AND LAND DISPOSAL OF ANIMAL WASTES.	CA20NLP -7280298- -
MOGLICHKEITEN	MOGLICHKEITEN DER LANDWIRTSCHAFTLICHEN VERWERTUNG VON AUSGEFALTEN SCHLAMMEN (POSSIBILITIES FOR AGRICULTURAL UTILIZATION OF FERMENTED SLUDGE).	CA20NLR -7280219- -
MOLDS	EFFECTS OF HEAVY METAL IONS ON THE GROWTH OF MICROORGANISMS. *ZINC*NICKEL*COBALT*COPPER*BACTERIA*YEASTS*MOLDS*TOXIC*	CA20NLR -7280018- -
MOLYBDENUM	OCCURANCE OF MANGANESE, COPPER, ZINC, MOLYBDENUM, AND COBALT IN PHOSPHATE FERTILIZERS AND SEWAGE SLUDGE.	CA20NLR -7280012- -
MOLYBDENUM	COMPOSITION AND NITRIFICATION CHARACTERISTICS OF SOME SEWAGE AND INDUSTRIAL SLUDGES. *ACTIVATED*DIGESTED*NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*MAGNESIUM*COPPER*BORON*MANGANESE*MOLYBDENUM*ZINC* SULFUR*PH*	CA20NLR -7280011- -
MOLYBDENUM	THE EFFECT OF FLOODING AND AERATION ON THE MOBILITY OF CERTAIN TRACE ELEMENTS IN SOILS. *LEAD*COPPER*NICKEL*ZINC*COBALT*MANGANESE*CHROMIUM*OXIDATION*REOXIDATION*VANADIUM*MOLYBDENUM*	CA20NLR -7280134- -
MOLYBDENUM	FERTILIZING CHARACTERISTICS OF SEWAGE SLUDGE. *NITROGEN*NITRIFICATION*PHOSPHORUS*POTASSIUM*COPPER*ZINC*BORON*MANGANESE*MOLYBDENUM*	CA20NLR -7280073- -
MOLYBDENUM	COMPARATIVE ANALYSIS OF SEWAGE SLUDGE. *NITROGEN*PHOSPHORUS*COPPER*ZINC*BORON*MANGANESE*MOLYBDENUM*NITRIFICATION*ON*ACTIVATED*DIGESTED*	CA20NLR -7280072- -

MOLYBDENUM	METAL CONTAMINATION OF SOIL IN URBAN MARKET-GARDEN EXPERIMENT RESULTING FROM APPLICATION OF SEWAGE SLUDGE. *COBALT*CHROMIUM*COPPER*MOLYBDENUM*NICKEL*LEAD*ZINC*	CA20NLP -7280245- -
MOLYBDENUM	THE EFFECTS OF TRACE ELEMENTS ON THE EXHAUSTION OF SEWAGE-IRRIGATED LAND. *FRANCE*GERMANY*COPPER*ZINC*TOXICITY *MANGANESE*SODIUM*COBALT*MOLYBDENUM*BORON*	CA20NLR -7280352- -
MOLYBDENUM	MICRONUTRIENT SOIL TESTS. *BORON*COPPER*IRON*MANGANESE*MOLYBDENUM*ZINC*	CA20NLP -7280512- -
MOLYBDENUM	ADSORPTION REACTIONS OF MICRONUTRIENTS IN SOILS. *COPPER*ZINC*BORON*MOLYBDENUM*IRON*MANGANESE*	CA20NLP -7280492- -
MOLYBDENUM	OBSERVATIONS ON SOME MINERALS AND B VITAMINS IN SEWAGE AND SLUDGES. *PHOSPHORUS*SULFATE*SULFIDE*IRON*CALCIUM* *ACNESIUM*COPPER*ZINC*CHROMIUM*NICKEL*MOLYBDENUM*COBALT*	CA20NLP -7280478- -
MOLYBDENUM	OCCURRENCE OF MANGANESE, COPPER, ZINC, MOLYBDENUM AND COBALT IN PHOSPHATE FERTILIZERS AND SEWAGE.	CA20NLR -7280498- -
MOLYBDENUM	MICRONUTRIENTS IN AGRICULTURE. *COPPER*ZINC*IRON*BORON*MANGANESE*MOLYBDENUM*	CA20NLR -7280430- -
MOLYBDENUM	CORRECTION OF MICRONUTRIENT DEFICIENCIES WITH FERTILIZERS. *BORON*COPPER*ZINC*IRON*MANGANESE*MOLYBDENUM*	CA20NLR -7280431- -
MOUSE	ABSORPTION AND TRANSLOCATION OF MAMMALIAN VIRUSES BY PLANTS. I. SURVIVAL OF MOUSE ENCEPHALOMYELITIS AND POLIO MYELITIS VIRUSES IN SOIL AND PLANT ROOT ENVIRONMENT. *POLIOVIRUS*ENCEPHALOMYELITIS*PH*	CA20NLR -7280527- -
MOVEMENT	THE MOVEMENT OF DISEASE PRODUCING ORGANISMS THROUGH SOILS.	CA20NLR -7280264- -
MOVEMENT	VIRUS MOVEMENT IN GROUNDWATER.	CA20NLR -7280172- -
MOVEMENT	UNDERGROUND MOVEMENT OF BACTERIAL AND CHEMICAL POLLUTANTS. *COLIFORM*REVIEW*HYGIENE*SEWAGE*EFFLUENT*	CA20NLR -7280023- -
MOZLIWOSC	WSTEPNE BADANIA MOZLIWOSC ZASTOSOWANIA ODPADOW KOPALNIANYCH CHWYCH DO UZYZNANIA GLE PIASKOWYCH.II. WPPLYW ODPADOW NA WZROST I PLODOWANIE ROSLIN W WARUNKACH POLOWYCH (PRELIMINARY INVESTIGATIONS ON THE POSSI	CA20NLR -7280302- -
MULL	EIN ZWOLFJAHRIGER FREILANDVERSUCH ZUR WIRKUNG VON MULL-UND KLARSCHLAMMKOMPOSTEN, STALLMIST UND STROH AUF ERTRAG, NAHRSTOFF-UND HUMUSHAUSHALT DES BODENS (A TWELVE-YEAR FIELD TEST ON THE EFFECT OF REFUSE COMPOSTS AND S	CA20NLR -7280326- -
MUNICHENER	DIE ABWASSERSCHLAMMBESITIGUNG DES MUNCHENER KLARWERKS GROSSLAPPEN (THE SEWAGE SLUDGE REMOVAL OF THE SEWAGE TRE	CA20NLR -7280203- -
MUNICH	ATMENT WORKS OF GROSSLAPPEN NEAR MUNICH.	CA20NLP -7280203- -
MUNICIPAL	DIE ABWASSERSCHLAMMBESITIGUNG DES MUNCHENER KLARWERKS GROSSLAPPEN (THE SEWAGE SLUDGE REMOVAL OF THE SEWAGE TRE	CA20NLR -7280237- -
MUNICIPAL	ATMENT WORKS OF GROSSLAPPEN NEAR MUNICH.	CA20NLR -7280223- -
MUNICIPAL	WATER AND NUTRIENT BALANCE OF A PASTURE ON A LIGHT SOIL IRRIGATED WITH MUNICIPAL SEWAGE, BASED ON LYSIMETRIC E	CA20NLR -7280228- -
MUNICIPAL	PERIMENTS.	CA20NLR -7280282- -
MUNICIPAL	METALS IN MUNICIPAL SEWERAGE SYSTEMS. *CHROMIUM*ZINC*COPPER*NICKEL*LEAD*MANGANESE*TITANIUM*	CA20NLR -7280339- -
MUNICIPAL	PHOSPHATE REMOVAL FROM MUNICIPAL SEWAGE. *ACTIVATED*SLUDGE*ALUM*	CA20NLR -7280133- -
MUNICIPAL	AGRICULTURAL UTILIZATION OF SEWAGE AS A MUNICIPAL DUTY. *ECONOMICS*	CA20NLR -7280042- -
MUNICIPAL	EFFECT OF MUNICIPAL SEWAGE EFFLUENT IRRIGATION ON HEIGHT GROWTH OF WHITE SPRUCE.	CA20NLR -7280502- -
MUNICIPAL	BETRIEBSWIRTSCHAFTLICHE ERGEBNISSE DES STADTISCHEN GUTES DIETERSHEIM MIT DER UMSTELLUNG AUF ABWASSERSCHLAMMVER	CA20NLR -7280447- -
MUNICIPAL	WERTUNG (RESULTS OF THE FARM MANAGEMENT OF THE MUNICIPAL FARM AT DIETERSHEIM AFTER THE ADAPTION TO THE UTI	
MUNICIPAL	CHEMICAL CHANGES IN SOIL IRRIGATED WITH MUNICIPAL SEWAGE.	
MUNICIPAL	DISPOSAL OF MUNICIPAL WASTE WATER THROUGH FOREST IRRIGATION. *PENNSYLVANIA*NITROGEN*PHOSPHORUS*POTASSIUM*CALCI	
MUNICIPAL	UM*MAGNESIUM*MANGANESE*IRON*COPPER*BORON*ALUMINUM*ZINC*SODIUM*SEWAGE*	
MUNICIPAL	UTILIZATION OF MUNICIPAL ORGANIC WASTES AS AGRICULTURE FERTILIZERS.	

MUNICIPAL	INTERMIXING OF LANDWIRTSCHAFTLICHEN UND KOMMUNALEN ABFALLSTOFFEN IM BODEN. (LAND DISPOSAL OF AGRICULTURAL AND MUNICIPAL WASTE).	CA20NLR -7280467- -
MUNICIPAL	ZUR VERWENDUNG VON STADTKOMPOSTEN IM ZIERPFLANZENBAU (USE OF MUNICIPAL WASTE COMPOSTS IN ORNAMENTAL PLANT GROWING).	CA20NLR -7280415- -
MUNICIPAL	PATHOGEN SURVIVAL IN COMPOSTING MUNICIPAL WASTES. *SALMONELLA*COLIFORM*SHIGELLA*BACTERIA*ASCARIS*ENDAMOEBA*	CA20NLR -7280418- -
NACHWIRKUNG	DIE NACHWIRKUNG VON SCHWERMETALLHALTIGEM ABWASSER-KLARSCHLAMM IN EINEM FELDVERSUCH (THE AFTER-EFFECT OF THE TREATED SLUDGE OF WASTE WATER CONTAINING HEAVY METAL IN A FIELD TEST).	CA20NLR -7280336- -
NAHRSTOFF	EIN ZWOLFJAHRIGER FELDVERSUCH ZUR WIRKUNG VON MULL-UND KLARSCHLAMMKOMPOSTEN, STALLMIST UND STROH AUF ERTRAG, NAHRSTOFF-UND HUMUSHAUSHALT DES BODENS (A TWELVE-YEAR FIELD TEST ON THE EFFECT OF REFUSE COMPOSTS AND S	CA20NLR -7280326- -
NAPIER	EFFECT OF IRRIGATION WITH SEWAGE EFFLUENT ON THE YIELDS AND ESTABLISHMENT OF NAPIER GRASS AND JAPANESE CANE. *NITROGEN*	CA20NLR -7280386- -
NATANS	EFFECT OF SEWAGE LOADING ON PREVALENCE OF SPHAerotILUS NATANS.	CA20NLR -7280365- -
NATURE	BACTERIAL NATURE OF ACID-FORMING PHASE OF ANAEROBIC DIGESTION. *DNA*	CA20NLR -7280463- -
NAWODNIENIE	WYNIKI DOŚWIADCZEŃ Z NAWODNIENIEM ROSLIN UPRAWNYCH MIEJSKIMI WODAMI SCIEKOWYMI SYSTEMEM SMUŻNYM I BRUŻDOWYM W KAMIENIE WROCŁAWSKIM. (RESULTS OF TRIALS IN KAMIENIEC WROCŁAWSKI AND IRRIGATION OF CROPS WITH SEWAGE).	CA20NLR -7280255- -
NAWZROST	WSTĘPNE BADANIA MOŻLIWOŚCI ZASTOSOWANIA ODPADÓW KOPALNIANYCH GWYCH DO UŻYTIANIA GLEB PIASKOWYCH. II. WPŁYW ODPADÓW NAWZROST I PLANOWANIE ROSLIN W WARUNKACH POŁOWYCH (PRELIMINARY INVESTIGATIONS ON THE POSSI	CA20NLR -7280302- -
NBRASKA	NITROGEN CONTENT OF NEBRASKA SEWAGE SLUDGE.	CA20NLR -7280364- -
NECESSITY	THE NECESSITY FOR UTILIZATION OF SEWAGE. *FERTILIZER*HUMUS*	CA20NLR -7280261- -
NEMATODES	SOME EFFECTS OF NITROGEN SOURCE ON BEANS AND PEPPERS GROWING IN ROOT-KNOT-INFESTED SOIL. *SLUDGE*NEMATODES*	CA20NLR -7280471- -
NICKEL	OBSERVATIONS ON SOME MINERALS AND B VITAMINS IN SEWAGE AND SLUDGES. *PHOSPHORUS*SULFATE*SULFIDE*IRON*CALCIUM*AGNESIUM*COPPER*ZINC*CHROMIUM*NICKEL*MOLYBDENUM*COBAL*	CA20NLR -7280478- -
NICKEL	SPECTROGRAPHIC ANALYSIS OF AIR-DRIED SEWAGE SLUDGE. *ALUMINUM*CALCIUM*IRON*MAGNESIUM*TITANIUM*BARIUM*COPPER*MANGANESE*SODIUM*NICKEL*TIN*VANADIUM*ZINC*SILVER*ZIRCONIUM*BORON*STRONTIUM*CHROMIUM*COBALT*GALLIUM*MOLYBDENUM	CA20NLR -7280469- -
NICKEL	LAND IN SEWAGE PURIFICATION. *SLUDGE*IRRIGATION*COPPER*CHROMIUM*NICKEL*	CA20NLR -7280384- -
NICKEL	STATE OF THE DEHYDROGENASE ACTIVITY OF AQUATIC BACTERIA, THEIR GROWTH, AND B.O.D. UNDER CONDITIONS INVOLVING THE ACTION OF INORGANIC MATTER CONTAINED IN INDUSTRIAL WASTE WATERS. *CADMIUM*COPPER*COBALT*NICKEL*ZINC*	CA20NLR -7280410- -
NICKEL	THE FATE OF NICKEL DURING THE TREATMENT OF SEWAGE. *SLUDGE*LIME*ALUM*	CA20NLR -7280380- -
NICKEL	INTERACTIONS BETWEEN BLUE-GREEN ALGAE AND HEAVY METALS. *ZINC*NICKEL*CADMIUM*COPPER*SLUDGE*	CA20NLR -7280399- -
NICKEL	FERTILIZER AND FERTILITY VALUE OF SEWAGE SLUDGE. *NITROGEN*PHOSPHORUS*POTASSIUM*ALUMINUM*CALCIUM*MAGNESIUM*MANGANESE*SODIUM*TITANIUM*COPPER*BARIUM*ZINC*LEAD*NICKEL*COBALT*SULFUR*CHROMIUM*ARSENIC*BORON*IODINE*GREASE*LEAD	CA20NLR -7280522- -
NICKEL	HEAVY METAL CONTAMINATION OF SOILS. *SEWAGE*SLUDGE*COPPER*ZINC*MANGANESE*NICKEL*ALUMINUM*MERCUURY*CADMIUM*LEAD*REVIEW*	CA20NLR -7280535- -
NICKEL	METAL CONTENT IN SLUDGE FROM WASTE WATER TREATMENT PLANTS IN THE SURROUNDINGS OF COPENHAGEN. *CHROMIUM*MANGANESE*NICKEL*COBALT*ZINC*CADMIUM*COPPER*LEAD*IRON*	CA20NLR -7280281- -
NICKEL	POLAROGRAPHIC DETERMINATION OF METALS IN SEWAGE AND SEWAGE SLUDGES. *ANALYTICAL*COPPER*IRON*CHROMIUM*CADMIUM*NICKEL*ZINC*	CA20NLR -7280277- -
NICKEL	METALS IN MUNICIPAL SEWERAGE SYSTEMS. *CHROMIUM*ZINC*COPPER*NICKEL*LEAD*MANGANESE*TITANIUM*	CA20NLR -7280223- -

NICKEL	METAL CONTAMINATION OF SOIL IN URBAN MARKET-GARDEN EXPERIMENT RESULTING FROM APPLICATION OF SEWAGE SLUDGE. *COBALT*CHROMIUM*COPPER*MOLYBDENUM*NICKEL*LEAD*ZINC*	CA20NLR -7280246- -
NICKEL	THE OCCURRENCE OF COPPER IN WATER, SEWAGE, AND SLUDGE AND ITS EFFECT ON SLUDGE DIGESTION. *TOXIC*CALCIUM*MAGNESIUM*PHOSPHORUS*MANGANESE*IRON*ALUMINIUM*ZINC*BORON*NICKEL*CHROMIUM*CADMIUM*	CA20NLR -7280231- -
NICKEL	TRACE ELEMENT REMOVAL FROM SEWAGE EFFLUENT BY SOIL FILTRATION. *IRON*MANGANESE*NICKEL*COPPER*ZINC*LEAD*CADMIUM*LEACHING*	CA20NLR -7280247- -
NICKEL	THE SOLUBILITY OF HEAVY METAL HYDROXIDES IN WATER, SEWAGE AND SEWAGE SLUDGE. I. THE SOLUBILITY OF SOME METAL HYDROXIDES. *COPPER*NICKEL*CHROMIUM*CADMIUM*	CA20NLR -7280191- -
NICKEL	TRACE ELEMENTS IN SEWAGE SLUDGE. *ZINC*CHROMIUM*COPPER*NICKEL*TIN*SILVER*BI SMUTH*LEAD*MANGANESE*VANADIUM*TOXICITY*	CA20NLR -7280208- -
NICKEL	THE SOLUBILITY OF HEAVY METAL HYDROXIDES IN WATER, SEWAGE AND SEWAGE SLUDGE. III. THE SOLUBILITY OF HEAVY METALS PRESENT IN DIGESTED SEWAGE SLUDGE *NICKEL*IRON*ZINC*COPPER*SODIUM*POTASSIUM*CALCIUM*	CA20NLR -7280192- -
NICKEL	THE SOLUBILITY OF HEAVY METAL HYDROXIDES IN WATER, SEWAGE AND SEWAGE SLUDGE. II. THE PRECIPITATION OF METALS BY SEWAGE. *COPPER*NICKEL*ZINC*IRON*	CA20NLR -7280190- -
NICKEL	SOME CHANGES IN POLLUTED WATER DURING PERCOLATION THROUGH SOIL. *COPPER*NICKEL*CHROMIUM*MANGANESE*ZINC*LEAD*IRON*AMMONIUM*	CA20NLR -7280034- -
NICKEL	COMBINING CAPACITY OF ANAEROBIC DIGESTED SLUDGE FOR HEAVY METAL IONS. *COPPER*NICKEL*ZINC*	CA20NLR -7280136- -
NICKEL	THE EFFECT OF FLOODING AND AERATION ON THE MOBILITY OF CERTAIN TRACE ELEMENTS IN SOILS. *LEAD*COPPER*NICKEL*ZINC*COBALT*MANGANESE*CHROMIUM*OXIDATION*REOXIDATION*VANADIUM*MOLYBDENUM*	CA20NLR -7280134- -
NICKEL	EFFECTS OF HEAVY METAL IONS ON THE GROWTH OF MICROORGANISMS. *ZINC*NICKEL*COBALT*COPPER*BACTERIA*YEASTS*MOLDS*TOXIC*	CA20NLR -7280018- -
NICKEL	UTILIZATION OF URBAN WASTES IN CROP PRODUCTION. *GARBAGE*SLUDGE*BORON*COPPER*LEAD*MANGANESE*ZINC*NICKEL*CHROMIUM*CADMIUM*EFFLUENT*	CA20NLR -7280021- -
NICKEL	LEVEL OF TRACE ELEMENTS (NICKEL, COBALT, AND COPPER) IN PLANTS GROWING IN SLURRY FIELDS OF ALUMINUM PRODUCTION	CA20NLR -7280104- -
NICKEL	AGRICULTURAL BENEFITS AND ENVIRONMENTAL CHANGES RESULTING FROM THE USE OF DIGESTED SEWAGE SLUDGE ON FIELD CROPS. *NITROGEN*PHOSPHORUS*POTASSIUM*CHROMIUM*CADMIUM*COPPER*LEAD*MANGANESE*NICKEL*ZINC*COLIFORM*VIRUS*	CA20NLR -7280540- -
NICKEL	THE AVAILABILITY OF CR, NI, ZN, CD, SN, AND PB FOR PLANTS. *CHROMIUM*NICKEL*ZINC*CADMIUM*TIN*LEAD*	CA20NLR -7280545- -
NITRATE	DIGESTED SLUDGE DISPOSAL ON CROP LAND. *NITRATE*HEAVY METALS*CHICAGO*	CA20NLR -7280541- -
NITRATE	STUDIES OF WASTE WATER RECLAMATION AND UTILIZATION. *REVIEW*CALCIUM*MAGNESIUM*SODIUM*POTASSIUM*AMMONIUM*SULFUR*NITRATE*BORON*CONDUCTIVITY*CALIFORNIA*	CA20NLR -7280024- -
NITRATE	THE EFFECT OF SEWAGE SLUDGE ON SOILS AND MICRO-ORGANISMS. *AZOTOBACTER*NITRATE*AMMONIUM*COLIFORM*BACTERIA*	CA20NLR -7280143- -
NITRATE	LAND DISPOSAL OF SEWAGE SLUDGE: III. THE EFFECT ON SOIL NITRATE.	CA20NLR -7280116- -
NITRATE	PLANT NUTRIENTS AS WATER POLLUTANTS. *NITROGEN*NITRATE*	CA20NLR -7280033- -
NITRATE	SEWAGE SLUDGE AS A FERTILIZER. *NITROGEN*PHOSPHORUS*POTASSIUM*AMMONIUM*NITRATE*	CA20NLR -7280068- -
NITRATE	THE PURIFYING EFFECT OF DIFFERENT METHODS OF SEWAGE-WATER TREATMENT IN INVESTIGATIONS OF REFIN SAND SOIL. *IRRIGATION*SPRINKLER*FLOOD*FURROW*LEACHING*NITROGEN*NITRATE*AMMONIUM*PHOSPHORUS*POTASSIUM*CALCIUM*SODIUM*	CA20NLR -7280183- -
NITRATE	THE EFFECT OF LIQUID SLUDGE ON GROWTH AND CHEMICAL COMPOSITION OF COASTAL BERMUDAGRASS AND RYE AND ON SOIL PROPERTIES, AMMONIA VOLATILIZATION, AND NITRATE LEACHING.	CA20NLR -7280171- -

NITRATE	CHEMICAL CHANGES IN SEWAGE DURING RECLAMATION BY SPREADING. *AMMONIUM*LEACHING*NITRATE*CALCIUM*MAGNESIUM*PHOSPHORUS*SODIUM*SULFATE*CHLORIDE*BICARBONATE*	CA20NLR -7280145- -
NITRATE	NORTHWESTERN UNIVERSITY SOIL ENRICHMENT RECLAMATION PROJECT. *LEACHING*NITRATE*NITRITE*NITROGEN*	CA20NLR -7280159- -
NITRATE	FACTORS INFLUENCING THE DESIGN AND OPERATION OF SOIL SYSTEMS FOR WASTE TREATMENT. *LEACHING*NITRATE*NITRITE*AMMONIUM*ABS*COLIFORM*BACTERIA*COD*POD*	CA20NLR -7280356- -
NITRIFICATION	INCUBATION STUDY OF NITRIFICATION OF DIGESTED SEWAGE SLUDGE ADDED TO SOIL. *COPPER*ZINC*MANGANESE*CHROMIUM*AMMONIUM*	CA20NLR -7280267- -
NITRIFICATION	EFFECT OF ADDITION OF COPPER, MANGANESE, ZINC, AND CHROMIUM COMPOUNDS ON AMMONIFICATION AND NITRIFICATION DURING INCUBATION OF SOIL. *TOXIC*AFRATION*	CA20NLR -7280037- -
NITRIFICATION	AGRICULTURAL VALUE OF SEWAGE SLUDGE. *DIGESTED*ACTIVATED*NITROGEN*PHOSPHORUS*POTASSIUM*NITRIFICATION*	CA20NLR -7280052- -
NITRIFICATION	EFFECT OF DRIED SEWAGE SLUDGE ON NITRIFICATION IN SOIL. *NITROGEN*NITRIFICATION*	CA20NLR -7280128- -
NITRIFICATION	EFFECT OF DRIED SEWAGE SLUDGE ON NITRIFICATION IN SOIL. *NITROGEN*NITRIFICATION*	CA20NLR -7280128- -
NITRIFICATION	COMPOSITION AND NITRIFICATION CHARACTERISTICS OF SOME SEWAGE AND INDUSTRIAL SLUDGES. *ACTIVATED*DIGESTED*NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*MAGNESIUM*COPPER*BORON*MANGANESE*MOLYBDENUM*ZINC*SULFUR*PH*	CA20NLR -7280011- -
NITRIFICATION	FERTILIZING CHARACTERISTICS OF SEWAGE SLUDGE. *NITROGEN*NITRIFICATION*PHOSPHORUS*POTASSIUM*COPPER*ZINC*BORON*MANGANESE*MOLYBDENUM*	CA20NLR -7280073- -
NITRIFICATION	COMPARATIVE ANALYSIS OF SEWAGE SLUDGE. *NITROGEN*PHOSPHORUS*COPPER*ZINC*BORON*MANGANESE*MOLYBDENUM*NITRIFICATION*ON*ACTIVATED*DIGESTED*	CA20NLR -7280072- -
NITRIFICATION	SEWAGE SLUDGE FOR SOIL IMPROVEMENT. *PREVIEW*NITRIFICATION*FERTILIZER*ACTIVATED*DIGESTED*NITROGEN*PHOSPHORUS*POTASSIUM*	CA20NLR -7280071- -
NITRIFICATION	THE COMPOSITION AND FERTILIZING VALUE OF SEWAGE SLUDGE. *NITROGEN*PHOSPHORUS*POTASSIUM*DIGESTED*ACTIVATED*NITRIFICATION.	CA20NLR -7280490- -
NITRIFICATION	AVAILABILITY OF NITROGEN IN SEWAGE SLUDGES. *NITRIFICATION*	CA20NLR -7280477- -
NITRITE	FACTORS INFLUENCING THE DESIGN AND OPERATION OF SOIL SYSTEMS FOR WASTE TREATMENT. *LEACHING*NITRATE*NITRITE*AMMONIUM*ABS*COLIFORM*BACTERIA*COD*POD*	CA20NLR -7280356- -
NITRITE	NORTHWESTERN UNIVERSITY SOIL ENRICHMENT RECLAMATION PROJECT. *LEACHING*NITRATE*NITRITE*NITROGEN*	CA20NLR -7280159- -
NITROGEN	SEWAGE SLUDGE AS A FERTILIZER. *NITROGEN*PHOSPHORUS*CONTENT*LIQUID*DRIED*DRYING*	CA20NLR -7280151- -
NITROGEN	NORTHWESTERN UNIVERSITY SOIL ENRICHMENT RECLAMATION PROJECT. *LEACHING*NITRATE*NITRITE*NITROGEN*	CA20NLR -7280159- -
NITROGEN	EFFECT OF UNTREATED, MECHANICALLY PURIFIED, AND BIOLOGICALLY TREATED SEWAGE ON FIELD YIELD. *NITROGEN*PHOSPHORUS*POTASSIUM*	CA20NLR -7280153- -
NITROGEN	LAND DISPOSAL OF LIQUID SEWAGE SLUDGE; I. THE EFFECT ON THE GROWTH, CHEMICAL COMPOSITION AND IN VIVO DIGESTIBILITY OF COASTAL PERENNIALGRASS (CYNODON DACTYLON L. REES). *NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*MAGNESIUM*	CA20NLR -7280174- -
NITROGEN	SEWAGE EFFLUENT DISPOSAL THROUGH CROP IRRIGATION. *COLIFORM*LEACHING*NITROGEN*PHOSPHORUS*MAGNESIUM*CALCIUM*SODIUM*POTASSIUM*	CA20NLR -7280161- -
NITROGEN	THE PURIFYING EFFECT OF DIFFERENT METHODS OF SEWAGE-WATER TREATMENT IN INVESTIGATIONS OF BERLIN SAND SOIL. *IRRIGATION*SPRINKLER*FLOOD*FURROW*LEACHING*NITROGEN*NITRATE*AMMONIUM*PHOSPHORUS*POTASSIUM*CALCIUM*SODIUM*	CA20NLR -7280183- -
NITROGEN	UTILIZATION OF LIQUID SLUDGE. *FERTILIZER*PARLEY*NITROGEN*SAN DIEGO*	CA20NLR -7280226- -
NITROGEN	TOXIC EFFECTS OF AMMONIA NITROGEN IN HIGH-RATE DIGESTION.	CA20NLR -7280227- -

NITROGEN	NITROGEN CONTENT OF NEBRASKA SEWAGE SLUDGE.	CA27NLR -7280364- -
NITROGEN	AGRICULTURAL USAGE OF SEWAGE OF THE TOWN OF ZORY. *NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*MAGNESIUM*IRON*CHLORIDES*	CA20NLR -7280264- -
NITROGEN	TOXIC EFFECTS OF AMMONIA NITROGEN ON HIGH RATE DIGESTION. DISCUSSION.	CA20NLR -7280308- -
NITROGEN	TRANSPORT OF NUTRIENT SALTS AND TOXIC SUBSTANCES IN THE SOIL-PLANT-ANIMAL ECOSYSTEM. *MERCURY*SEWAGE*FERTILIZER*PHOSPHORUS*NITROGEN*SLUDGE*	CA20NLR -7280324- -
NITROGEN	SEWAGE SLUDGE AS FERTILIZER. *NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*LEAD*MAGNESIUM*COPPER*IRON*ALUMINUM*ZINC*ARSENIC*BARIUM*SULFUR*MANGANESE*BISMUTH*CHLORINE*ZINC*	CA20NLR -7280299- -
NITROGEN	EFFLUENT DISPOSAL BY IRRIGATION. *NITROGEN*	CA20NLR -7280321- -
NITROGEN	UTILIZATION OF NITROGEN-CONTAINING COMPOUNDS FOR THE BIOSYNTHESIS OF PROTEIN IN SECONDARY TREATMENT.	CA20NLR -7280497- -
NITROGEN	SOME EFFECTS OF NITROGEN SOURCE ON BEANS AND PEPPERS GROWING IN ROOT-KNOT-INFESTED SOIL. *SLUDGE*NEMATODES*	CA20NLR -7280471- -
NITROGEN	THE COMPOSITION AND FERTILIZING VALUE OF SEWAGE SLUDGE. *NITROGEN*PHOSPHORUS*POTASSIUM*DIGESTED*ACTIVATED*NITRIFICATION.	CA20NLR -7280490- -
NITROGEN	AVAILABILITY OF NITROGEN IN SEWAGE SLUDGES. *NITRIFICATION*	CA20NLR -7280477- -
NITROGEN	ACTIVATED SLUDGE: A NEW SOURCE OF ORGANIC NITROGEN.	CA20NLR -7280526- -
NITROGEN	SCIENTIFIC EVALUATION OF NUTRIENT CONTENT OF SEWAGE EFFLUENTS WITH PARTICULAR CONSIDERATION OF NITROGEN.	CA20NLR -7280536- -
NITROGEN	INCUBATION STUDY OF NITROGEN MINERALISATION IN SOIL TREATED WITH DRIED SEWAGE SLUDGE.	CA20NLR -7280503- -
NITROGEN	DISPOSAL OF MUNICIPAL WASTE WATER THROUGH FOREST IRRIGATION. *PENNSYLVANIA*NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*MAGNESIUM*MANGANESE*IRON*COPPER*BORON*ALUMINUM*ZINC*SODIUM*SEWAGE*	CA20NLR -7280502- -
NITROGEN	FERTILIZER AND FERTILITY VALUE OF SEWAGE SLUDGE. *NITROGEN*PHOSPHORUS*POTASSIUM*ALUMINUM*CALCIUM*MAGNESIUM*MANGANESE*SODIUM*TITANIUM*COPPER*BARIUM*ZINC*LEAD*NICKEL*COBALT*SULFUR*CHROMIUM*ARSENIC*BROMINE*IODINE*GREASE*LEAD*	CA20NLR -7280522- -
NITROGEN	EFFECT OF IRRIGATION WITH SEWAGE EFFLUENT ON THE YIELDS AND ESTABLISHMENT OF NAPIER GRASS AND JAPANESE CANE. *NITROGEN*	CA20NLR -7280386- -
NITROGEN	PHOSPHORUS IN SEWAGE POLLUTED WATERS SLUDGES AND EFFLUENTS. *REVIEW*NITROGEN*	CA20NLR -7280393- -
NITROGEN	TEST OF SEWAGE SLUDGE FOR FERTILITY AND TOXICITY IN SOILS. *NITROGEN*PHOSPHORUS*POTASSIUM*SULFUR*	CA20NLR -7280445- -
NITROGEN	USE OF CHROMIUM LEATHER REFUSE AS NITROGEN SOURCE IN THE FERTILIZATION OF PLANTS.	CA20NLR -7280455- -
NITROGEN	FERTILIZING CHARACTERISTICS OF SEWAGE SLUDGE. *NITROGEN*NITRIFICATION*PHOSPHORUS*POTASSIUM*COPPER*ZINC*BORON*MANGANESE*MOLYBDENUM*	CA20NLR -7280073- -
NITROGEN	COMPARATIVE ANALYSIS OF SEWAGE SLUDGE. *NITROGEN*PHOSPHORUS*COPPER*ZINC*BORON*MANGANESE*MOLYBDENUM*NITRIFICATION*UN*ACTIVATED*DIGESTED*	CA20NLR -7280072- -
NITROGEN	SEWAGE SLUDGE FOR SOIL IMPROVEMENT. *REVIEW*NITRIFICATION*FERTILIZER*ACTIVATED*DIGESTED*NITROGEN*PHOSPHORUS*POTASSIUM*	CA20NLR -7280071- -
NITROGEN	ADAPTABILITY OF SEWAGE SLUDGE AS A FERTILIZER. *ACTIVATED*DIGESTED*MANURE*CONDITIONER*NITROGEN*PHOSPHORUS*POTASSIUM*	CA20NLR -7280087- -
NITROGEN	SEWAGE EFFLUENT. *FERTILIZER*IRRIGATION*NITROGEN*PHOSPHORUS*POTASSIUM*	CA20NLR -7280093- -
NITROGEN	COMPOSITION AND NITRIFICATION CHARACTERISTICS OF SOME SEWAGE AND INDUSTRIAL SLUDGES. *ACTIVATED*DIGESTED*NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*MAGNESIUM*COPPER*BORON*MANGANESE*MOLYBDENUM*ZINC*SULFUR*PH*	CA20NLR -7280011- -

NITROGEN	VALUE OF LIQUID DIGESTED SEWAGE SLUDGE .2. EXPERIMENTS ON RYEGRASS IN SOUTHEAST ENGLAND	CA2ONLR -7290009- -
	FERTILIZERS SUPPLYING EQUIVALENT NITROGEN, PHOSPHORUS AND WATER.	CA2ONLR -7280022- -
NITROGEN	THE UTILIZATION OF SEWAGE SLUDGE AS FERTILIZER. *NITROGEN*PHOSPHORUS*POTASSIUM*REVIEW*	CA2ONLR -7290123- -
NITROGEN	WATER ANALYSIS. *ANALYTICAL*METALS*HARDNESS*NITROGEN*CO ₂ *BOD*	CA2ONLR -7280122- -
NITROGEN	TREATMENT OF SUPERNATANTS AND LIQUIDS ASSOCIATED WITH SLUDGE TREATMENT. *AMMONIA*PH*CO ₂ *NITROGEN*	CA2ONLR -7280128- -
NITROGEN	EFFECT OF DRIED SEWAGE SLUDGE ON NITRIFICATION IN SOIL. *NITROGEN*NITRIFICATION*	CA2ONLR -7280049- -
NITROGEN	RIDGE AND FURROW LIQUID WASTE DISPOSAL IN NORTHERN LATITUDE. *SPRINKLER*FLOOD*RIDGE-FURROW*NITROGEN*PHOSPHORUS	CA2ONLR -7280068- -
NITROGEN	SEWAGE SLUDGE AS A FERTILIZER. *NITROGEN*PHOSPHORUS*POTASSIUM*AMMONIUM*NITRATE*	CA2ONLR -7280052- -
NITROGEN	AGRICULTURAL VALUE OF SEWAGE SLUDGE. *DIGESTED*ACTIVATED*NITROGEN*PHOSPHORUS*POTASSIUM*NITRIFICATION*	CA2ONLR -7280038- -
NITROGEN	RETURNING WASTES TO THE LAND, A ROLE FOR AGRICULTURE. *BORON*SODIUM*POTASSIUM*MAGNESIUM*CALCIUM*NITROGEN*PHOSPHORUS*SULFUR*CHLORIDE*LEACHING*EFFLUENT*REVIEW*	CA2ONLR -7280033- -
NITROGEN	PLANT NUTRIENTS AS WATER POLLUTANTS. *NITROGEN*NITRATE*	CA2ONLR -7280540- -
NITROGEN	AGRICULTURAL BENEFITS AND ENVIRONMENTAL CHANGES RESULTING FROM THE USE OF DIGESTED SEWAGE SLUDGE ON FIELD CROPS.	CA2ONLR -7280514- -
NUMERICALLY	POPULATION DESCRIPTION OF THE NON-METHANOGENIC PHASE OF ANAEROBIC DIGESTION- I ISOLATION, CHARACTERIZATION AND IDENTIFICATION OF NUMERICALLY IMPORTANT BACTERIA.	CA2ONLR -7280536- -
NUTRIENT	SCIENTIFIC EVALUATION OF NUTRIENT CONTENT OF SEWAGE EFFLUENTS WITH PARTICULAR CONSIDERATION OF NITROGEN.	CA2ONLR -7280472- -
NUTRIENT	NUTRIENT REMOVAL FROM ENRICHED WASTE EFFLUENT BY THE HYDROPONIC CULTURE OF COOL SEASON GRASSES.	CA2ONLR -7280324- -
NUTRIENT	TRANSPORT OF NUTRIENT SALTS AND TOXIC SUBSTANCES IN THE SOIL-PLANT-ANIMAL ECOSYSTEM. *MERCURY*SEWAGE*FERTILIZER*PHOSPHORUS*NITROGEN*SLUDGE*	CA2ONLR -7280361- -
NUTRIENT	*MILORGANITE* AS A SOURCE OF MINOR NUTRIENT ELEMENTS FOR PLANTS. *BORON*COPPER*MANGANESE*ZINC*	CA2ONLR -7280237- -
NUTRIENT	WATER AND NUTRIENT BALANCE OF A PASTURE ON A LIGHT SOIL IRRIGATED WITH MUNICIPAL SEWAGE, BASED ON LYSIMETRIC EXPERIMENTS.	CA2ONLR -7280175- -
NUTRIENT	RESPIRATORY RELATIONS OF A SYMBIOTIC ALGAL-BACTERIAL CULTURE FOR WASTE WATER NUTRIENT REMOVAL. *ACTIVATED*SLUDGE*CHLORELLA*SEWAGE*TREATMENT*	CA2ONLR -7280238- -
NUTRIENTS	LIQUID DIGESTED SEWAGE SLUDGE GIVES FIELD CROPS NECESSARY NUTRIENTS.	CA2ONLR -7280033- -
NUTRIENTS	PLANT NUTRIENTS AS WATER POLLUTANTS. *NITROGEN*NITRATE*	CA2ONLR -7280089- -
NUTRIENTS	PRODUCTION OF SMALL GRAINS PASTURE FORAGE USING SEWAGE EFFLUENT AS A SOURCE OF IRRIGATION WATER AND PLANT NUTRIENTS.	CA2ONLR -7280091- -
NUTRIENTS	CITY SEWAGE FOR IRRIGATION AND PLANT NUTRIENTS.	CA2ONLR -7280135- -
NUTRITION	EFFECTS OF CHROMIUM ON GROWTH AND MINERAL NUTRITION OF SOYBEANS.	CA2ONLR -7280508- -
NUTRITION	BIBLIOGRAPHY OF REFERENCES TO THE LITERATURE ON THE MINOR ELEMENTS AND THEIR RELATION TO PLANT AND ANIMAL NUTRITION.	CA2ONLR -7290140- -
NUTS	SEWAGE IRRIGATION IN TEXAS. *GRAINS*COTTON*ALFALFA*FORAGE*NUTS*CITRUS	CA2ONLR -7280092- -
OATS	EFFECT OF CITY SEWAGE EFFLUENT ON THE YIELD AND QUALITY OF GRAIN FROM BARLEY, OATS, AND WHEAT.	

PLANT	PLANT EXPERIMENTS WITH SEWAGE SLUDGE FROM HELSINKI. *PLANTS*CULTURE*COMPOST*	CA20NLP -7280450- -
OCCURRENCE	OCCURRENCE OF MANGANESE, COPPER, ZINC, MOLYBDENUM, AND COBALT IN PHOSPHATE FERTILIZERS AND SEWAGE SLUDGE.	CA20NLP -7280012- -
OCTOBER	ADVANCES IN SLUDGE DISPOSAL IN THE PERIOD FROM OCTOBER 1, 1954, TO FEBRUARY 1, 1960. *DIGESTION*PUMPING*DRYING*FERTILIZER*REVIEW*	CA20NLP -7280377- -
PROBLEMS	PROBLEMS IN SEWAGE FARMING. *HYGIENE*ECONOMICS*FOOD*ODORS*	CA20NLP -7280323- -
PROBATION	WSTEPNE BADANIA MOZLIWOSC ZASTOSOWANIA ODPADOW KOPALNIANYCH DNYCH DO UZYNIANIA GLE PIASKOWYCH. II. WPLYW ODPADOW NA WZROST I PLOWANIE ROSLIN W WARUNKACH POLOWYCH (PRELIMINARY INVESTIGATIONS ON THE POSSI	CA20NLP -7280302- -
PROBATION	WSTEPNE BADANIA MOZLIWOSC ZASTOSOWANIA ODPADOW KOPALNIANYCH DNYCH DO UZYNIANIA GLE PIASKOWYCH. II. WPLYW ODPADOW NA WZROST I PLOWANIE ROSLIN W WARUNKACH POLOWYCH (PRELIMINARY INVESTIGATIONS ON THE POSSI	CA20NLP -7280302- -
OPERATION	FACTORS INFLUENCING THE DESIGN AND OPERATION OF SOIL SYSTEMS FOR WASTE TREATMENT. *LEACHING*NITRATE*NITRITE*AMMONIUM*ABS*COLIFORM*BACTERIA*ODOR*	CA20NLP -7280356- -
ORGANIC	COMPLEX REACTIONS OF ZINC WITH ORGANIC MATTER EXTRACTED FROM SEWAGE SLUDGE. *PH*	CA20NLP -7280371- -
ORGANIC	DISPOSAL OF HIGH ORGANIC CONTENT WASTES ON LAND. *SLUDGE*SULFITE*WHEY*	CA20NLP -7280329- -
ORGANIC	EFFECT OF ORGANIC MATTER CONTENT OF THE SOIL ON INFILTRATION.	CA20NLP -7280413- -
ORGANIC	THE USE OF ORGANIC WASTE IN HORTICULTURE AND AGRICULTURE.	CA20NLP -7280394- -
ORGANIC	UTILIZATION OF MUNICIPAL ORGANIC WASTES AS AGRICULTURE FERTILIZERS.	CA20NLP -7280447- -
ORGANIC	USING ORGANIC WASTES IN AGRICULTURE.	CA20NLP -7280461- -
ORGANIC	ACTIVATED SLUDGE: A NEW SOURCE OF ORGANIC NITROGEN.	CA20NLP -7280526- -
ORGANIC	ORGANIC MATTER REACTIONS INVOLVING MICRONUTRIENTS IN SOILS.	CA20NLP -7280488- -
ORGANIC	CHANGES IN THE ZINC DISTRIBUTION WITHIN THREE SOILS AND ZINC UPTAKE BY FIELD BEANS CAUSED BY DECOMPOSING ORGANIC MATTER.	CA20NLP -7280013- -
ORGANIC	EFFECTS OF ORGANIC AMENDMENTS ON MANGANESE TOXICITY IN POTATOES AS MEASURED BY SAND AND SOIL CULTURE STUDIES.	CA20NLP -7280015- -
ORGANIC	ECONOMIC POTENTIAL IN UTILIZATION OF ORGANIC WASTES.	CA20NLP -7280074- -
ORGANIC	COMPARISONS OF FARMYARD MANURE, SEWAGE SLUDGE, AND OTHER ORGANIC MANURES TESTED ON POTATOES AND A SUCCEEDING CEREAL CROP AT POTHAMSTED.	CA20NLP -7280131- -
ORGANIC	A CONTRIBUTION TO THE CHARACTERIZATION OF ORGANIC MATTER IN TOWN-REFUSE COMPOSTS AND SEWAGE SLUDGES AND IN OTHER HUMUS FERTILIZERS PREPARED FROM THEM. *ANALYTICAL*	CA20NLP -7280210- -
ORGANIC	UTILIZING THE DECOMPOSITION OF ORGANIC RESIDUES TO INCREASE INFILTRATION RATES IN WATER SPREADING.	CA20NLP -7280194- -
ORGANIC	EXPERIMENTS ON ORGANIC MANURES. 1942-1949.	CA20NLP -7280562- -
ORGANICS	DEGRADATION OF WASTEWATER ORGANICS IN SOIL.	CA20NLP -7280517- -
ORGANICS	DEGRADATION OF ABS AND OTHER ORGANICS IN UNSATURATED SOILS.	CA20NLP -7280355- -
ORGANISMS	THE MOVEMENT OF DISEASE PRODUCING ORGANISMS THROUGH SOILS.	CA20NLP -7280264- -
ORGANISMS	LITERATURE REVIEW ON THE OCCURRENCE AND SURVIVAL OF ENTERIC, PATHOGENIC, AND RELATED ORGANISMS IN SOIL, WATER, SEWAGE, AND SLUDGES, AND ON VEGETATION. II. ANIMAL PARASITES. *ENDAMFERA*HELMINTHS*ASCARIS*	CA20NLP -7280479- -
ORGANISMS	LITERATURE REVIEW ON THE OCCURRENCE AND SURVIVAL OF ENTERIC, PATHOGENIC, AND RELATED ORGANISMS IN SOIL, WATER, SEWAGE, AND SLUDGES, AND ON VEGETATION. I. BACTERIAL AND VIRUS DISEASES. *COLIFORM*TYPHOSA*TUBERCULOSIS*	CA20NLP -7280480- -

ORGANISMS	SURVIVAL OF SELECTED ENTERIC ORGANISMS IN VARIOUS TYPES OF SOIL.	CA20NLR -7280452- -
ORGANISMS	A SURVEY OF THE PATHOGENIC ORGANISMS AND HELMINTHIC OVA IN COMPOSTS AND SEWAGE SLUDGE.	CA20NLR -7280225- -
ORGANISMS	ONELLA*VIRUS*	*COLIFORM*BACTERIA*SALM
ORGANISMS	THE EFFECT OF SEWAGE SLUDGE ON SOILS AND MICRO-ORGANISMS.	CA20NLR -7280143- -
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ORNAMENTAL	ZUR VERWENDUNG VON STADTKOMPOSTEN IM ZIERPFLANZENBAU (USE OF MUNICIPAL WASTE COMPOSTS IN ORNAMENTAL PLANT GROWING).	CA20NLR -7280415- -
ORTHOPHOSPHATE	PHOSPHATE REMOVAL BY A LIME-BIOLOGICAL TREATMENT SCHEME.	CA20NLR -7280521- -
OSTROW	SEWAGE FARMING AT OSTROW WIELKOPOLSKI.	CA20NLR -7280427- -
OVERLOADING	DISADVANTAGES AND ADVANTAGES OF SEWAGE DISPOSAL IN CONNECTION WITH AGRICULTURAL UTILIZATION.	CA20NLR -7280425- -
OWYCH	WSTEPNE BADANIA MOZLIWOSC ZASTOSOWANIA ODPADOW KOPALNIANYCH OWYCH DO UZYZNIANIA GLEI PIASKOWYCH. II. WPLYW ODPADOW NA WZROST I PLONOWANIE ROSLIN W WARUNKACH POLOWYCH (PRELIMINARY INVESTIGATIONS ON THE POSSIBILITY OF USING MUNICIPAL WASTE IN SANDY SOILS IN CONNECTION WITH THE GROWTH AND YIELD OF PLANTS IN FIELD CONDITIONS).	CA20NLR -7280302- -
OXIDATION	OXIDATION PONDS AND USE OF EFFLUENT IN ISRAEL.	CA20NLR -7280134- -
OXIDATION	THE EFFECT OF FLOODING AND AERATION ON THE MOBILITY OF CERTAIN TRACE ELEMENTS IN SOILS.	*LEAD*COPPER*NICKEL*ZINC*COBALT*MANGANESE*CHROMIUM*OXIDATION*REDUCTION*VANADIUM*MOLYBDENUM*
OXIDATION	SEWAGE RECLAIMED FOR IRRIGATION IN ISRAEL FARM OXIDATION PONDS.	CA20NLR -7280102- -
OXIDATION	DISPLACEMENT OF IRON IN SOIL IRRIGATED WITH SEWAGE.	CA20NLR -7280044- -
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OXIDATION	SEWAGE RECLAIMED FOR IRRIGATION IN ISRAEL FARM OXIDATION PONDS.	CA20NLR -7280162- -
PACIFIC	SLUDGE DISPOSAL PRACTICES IN THE PACIFIC NORTHWEST.	CA20NLR -7280248- -
PARASITES	THE RESULTS OF SANITARY AND HYGIENIC INVESTIGATIONS OF ASHKHABAD SEWAGE FARMS.	CA20NLR -7280193- -
PAPASITES	ANIMAL PAPASITES IN SEWAGE AND IRRIGATION WATER.	*COLIFORM*HELMINTHS*PARASITES*CA20NLR -7280509- -
PARASITES	LITERATURE REVIEW ON THE OCCURRENCE AND SURVIVAL OF ENTERIC, PATHOGENIC, AND RELATED ORGANISMS IN SOIL, WATER, SEWAGE, AND SLUDGES, AND ON VEGETATION. II. ANIMAL PARASITES.	*DENVER*ASCARIS*HELMINTHS*COLIFORM*ENTEROCOCCI*ENDAMOEBAS*CA20NLR -7280479- -
PARASITES	REGULATIONS FOR IRRIGATION AND THE USE OF SEWAGE SLUDGE.	*ENDAMOEBAS*HELMINTHS*ASCARIS*CA20NLR -7280550- -
PARKS	NEW YORK SLUDGE GOES TO SEA - OR TO PARKS.	*PARASITES*BACTERIA*CA20NLR -7280485- -
PARTICLES	VIRUS INACTIVATION ON CLAY PARTICLES IN NATURAL WATERS.	CA20NLR -7280060- -
PARTICULATE	METAL AND PARTICULATE EMISSIONS FROM INCINERATORS BURNING SEWAGE SLUDGE AND MIXED REFUSE.	CA20NLR -7280002- -
PASTURE	SPRAY DISPOSAL OF DOMESTIC WASTES.	CA20NLR -7280016- -
PASTURE	PASTURE FERTILIZATION WITH SEWAGE EFFLUENT IRRIGATION.	*SODIUM*PASTURE*WOODLANDS*CA20NLR -7280017- -
PASTURE	PRODUCTION OF SMALL GRAINS PASTURE FORAGE USING SEWAGE EFFLUENT AS A SOURCE OF IRRIGATION WATER AND PLANT NUTRIENTS.	CA20NLR -7280089- -
PASTURE	WATER AND NUTRIENT BALANCE OF A PASTURE ON A LIGHT SOIL IRRIGATED WITH MUNICIPAL SEWAGE, BASED ON LYSIMETRIC EXPERIMENTS.	CA20NLR -7280237- -

PHOSPHATE	OCURRENCE OF ARGENNES, COPPER, ZINC, MOLYBDENUM AND COBALT IN PHOSPHATE FERTILIZERS AND SEWAGE.	CA20NLP -7280498- -
PHOSPHATE	PHOSPHATE REMOVAL BY ACTIVATED SLUDGE. *DIGESTION*POD*	CA20NLP -7280412- -
PHOSPHATE	PHOSPHATE REMOVAL BY A LINE-FED BIOLOGICAL TREATMENT SCHEME. *LINE*OPHTHOPHOSPHATE*POLYPHOSPHATE*	CA20NLP -7280521- -
PHOSPHATE	MICROBIAL RELEASE OF SOLUBLE PHOSPHATE IN AN ACTIVATED SLUDGE ENVIRONMENT. *TOXIC*ALCOHOL*SULPHATE*SALT*	CA20NLP -7280366- -
PHOSPHORUS	TRANSPORT OF NUTRIENT SALTS AND TOXIC SUBSTANCES IN THE SOIL-PLANT-ANIMAL ECOSYSTEM. *MERCURY*SEWAGE*FERTILIZE	CA20NLP -7280324- -
PHOSPHORUS	PATHWAYS OF PHOSPHORUS IN BIOLOGICAL TREATMENT PROCESSES.	CA20NLP -7280330- -
PHOSPHORUS	SEWAGE SLUDGE AS FERTILIZER. *NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*LEAD*MAGNESIUM*COPPER*IRON*ALUMINUM*ZINC*ARSENIC*BARIUM*SULFUR*MANGANESE*BISMUTH CHLORINE*TOLEDO*	CA20NLP -7280299- -
PHOSPHORUS	AGRICULTURAL USAGE OF SEWAGE OF THE TOWN OF ZORY. *NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*MAGNESIUM*IRON*CHLORIDES*	CA20NLP -7280266- -
PHOSPHORUS	INVESTIGATIONS ON SEWAGE FARMING. *PHOSPHORUS*FERTILIZER*	CA20NLP -7280276- -
PHOSPHORUS	FERTILIZER AND FERTILITY VALUE OF SEWAGE SLUDGE. *NITROGEN*PHOSPHORUS*POTASSIUM*ALUMINUM*MAGNESIUM*MAN	CA20NLP -7280522- -
PHOSPHORUS	AGRICULTURAL BENEFITS AND ENVIRONMENTAL CHANGES RESULTING FROM THE USE OF DIGESTED SEWAGE SLUDGE ON FIELD CROPS. *NITROGEN*PHOSPHORUS*POTASSIUM*CHROMIUM*CADMIUM*COPPER*LEAD*MANGANESE*NICKEL*ZINC*COLIFORM*VIRUS*	CA20NLP -7280540- -
PHOSPHORUS	RESEARCH NEEDS FOR ADVANCED WASTE TREATMENT. *PHOSPHORUS*ALUM*IRON*	CA20NLP -7280531- -
PHOSPHORUS	A REVIEW OF THE 1969 LITERATURE ON WASTEWATER AND WATER POLLUTION CONTROL. *REVIEW*SLUDGE*LAND*PHOSPHORUS*LINE*ALUM*ANALYTICAL*	CA20NLP -7280523- -
PHOSPHORUS	PHOSPHORUS IN SEWAGE POLLUTED WATERS SLUDGES AND EFFLUENTS. *REVIEW*NITROGEN*	CA20NLP -7280393- -
PHOSPHORUS	THE COMPOSITION AND FERTILIZING VALUE OF SEWAGE SLUDGE. *NITROGEN*PHOSPHORUS*POTASSIUM*DIGESTED*ACTIVATED*NITRIFICATION.	CA20NLP -7280490- -
PHOSPHORUS	OBSERVATIONS ON SOME MINERALS AND B VITAMINS IN SEWAGE AND SLUDGES. *PHOSPHORUS*SULFATE*SULFIDE*IRON*CALCIUM*MAGNESIUM*COPPER*ZINC*CHROMIUM*NICKEL*MOLYBDENUM*COBALT*	CA20NLP -7280478- -
PHOSPHORUS	DISPOSAL OF MUNICIPAL WASTE WATER THROUGH FOREST IRRIGATION. *PENNSYLVANIA*NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*MAGNESIUM*MANGANESE*IRON*COPPER*BORON*ALUMINUM*ZINC*SODIUM*SEWAGE*	CA20NLP -7280502- -
PHOSPHORUS	TEST OF SEWAGE SLUDGE FOR FERTILITY AND TOXICITY IN SOILS. *NITROGEN*PHOSPHORUS*POTASSIUM*SULFUR*	CA20NLP -7280445- -
PHOSPHORUS	SEWAGE DISPOSAL BY LAND IRRIGATION. *PHOSPHORUS*POTASSIUM*PH*HUMUS*	CA20NLP -7280429- -
PHOSPHORUS	COMPOSITION AND NITRIFICATION CHARACTERISTICS OF SOME SEWAGE AND INDUSTRIAL SLUDGES. *ACTIVATED*DIGESTED*NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*MAGNESIUM*COPPER*BORON*MANGANESE*MOLYBDENUM*ZINC*SULFUR*PH*	CA20NLP -7280011- -
PHOSPHORUS	VALUE OF LIQUID DIGESTED SEWAGE SLUDGE 2. EXPERIMENTS ON RYEGRASS IN SOUTHEAST ENGLAND COMPARING SLUDGE WITH FERTILIZERS SUPPLYING EQUIVALENT NITROGEN, PHOSPHORUS AND WATER.	CA20NLP -7280009- -
PHOSPHORUS	THE UTILIZATION OF SEWAGE SLUDGE AS FERTILIZER. *NITROGEN*PHOSPHORUS*POTASSIUM*REVIEW*	CA20NLP -7280022- -
PHOSPHORUS	SEWAGE SLUDGE FOR SOIL IMPROVEMENT. *REVIEW*NITRIFICATION*FERTILIZER*ACTIVATED*DIGESTED*NITROGEN*PHOSPHORUS*POTASSIUM*	CA20NLP -7280071- -
PHOSPHORUS	COMPARATIVE ANALYSIS OF SEWAGE SLUDGE. *NITROGEN*PHOSPHORUS*COPPER*ZINC*BORON*MANGANESE*MOLYBDENUM*NITRIFICATION*INACTIVATED*DIGESTED*	CA20NLP -7280072- -

PASTURES	EFFICIENCY OF COMBINED APPLICATION OF MINERAL FERTILIZERS AND SEWAGE TO CULTIVATED PASTURES.	CAZONLR -7280069- -
PATHOGEN	EFFECTS ON VEGETATION OF IRRIGATION WITH WASTE TREATMENT EFFLUENTS AND POSSIBLE PLANT PATHOGEN-IRRIGATION INTERACTIONS.	CAZONLR -7280007- -
PATHOGEN	PATHOGEN SURVIVAL IN COMPOSTING MUNICIPAL WASTES. *SALMONELLA*COLIFORM*SHIGELLA*BACTERIA*ASCARIS*ENDAMOEBAS*	CAZONLR -7280418- -
PATHOGENIC	LITERATURE REVIEW ON THE OCCURRENCE AND SURVIVAL OF ENTERIC, PATHOGENIC, AND RELATED ORGANISMS IN SOIL, WATER, SEWAGE, AND SLUDGES, AND ON VEGETATION. II. ANIMAL PARASITES. *ENDAMOEBAS*HELMINTHS*ASCARIS*	CAZONLR -7280479- -
PATHOGENIC	LITERATURE REVIEW ON THE OCCURRENCE AND SURVIVAL OF ENTERIC, PATHOGENIC, AND RELATED ORGANISMS IN SOIL, WATER, SEWAGE AND SLUDGES, AND ON VEGETATION. I. BACTERIAL AND VIRUS DISEASES. *COLIFORM*TYPHOSA*TUBERCULOSIS*	CAZONLR -7280480- -
PATHOGENIC	A SURVEY OF THE PATHOGENIC ORGANISMS AND HELMINTHIC OVA IN COMPOSTS AND SEWAGE SLUDGE. *COLIFORM*BACTERIA*SALMONELLA*VIRUS*	CAZONLR -7280225- -
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PATHOGENS	HYGIENE OF LAND TREATMENT OF SEWAGE. *PATHOGENS*	CAZONLR -7280150- -
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PATHOGENS	EFFECTIVENESS OF HIGH PH FOR DESTRUCTION OF PATHOGENS IN RAW SLUDGE FILTER CAKE. *BACTERIA*SALMONELLA TYPHOSA*LINE*COLIFORM*	CAZONLR -7280101- -
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PENNSYLVANIA	A NEW PROSPECT. *IRRIGATION*SPRINKLER*SEWAGE*EFFLUENT*LEACHING*PENNSYLVANIA*	CAZONLR -7280199- -
PENNSYLVANIA	DISPOSAL OF MUNICIPAL WASTE WATER THROUGH FOREST IRRIGATION. *PENNSYLVANIA*NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*MAGNESIUM*MANGANESE*IRON*COPPER*BORON*ALUMINUM*ZINC*SODIUM*SEWAGE*	CAZONLR -7280502- -
PENNSYLVANIA	TRANSPORTING WASTES TO BUILD SOILS. *BACTERIA*COLIFORM*SALMONELLA*SHIGELLA*PENNSYLVANIA*	CAZONLR -7280137- -
PEPPERS	SOME EFFECTS OF NITROGEN SOURCE ON BEANS AND PEPPERS GROWING IN ROOT-KNOT-INFESTED SOIL. *SLUDGE*NEMATODES*	CAZONLR -7280471- -
PERCOLATING	PROTOZOA IN BIOLOGICAL SEWAGE-TREATMENT PROCESSES. I. A SURVEY OF THE PROTOZOAN FAUNA OF BRITISH PERCOLATING FILTERS AND ACTIVATED SLUDGE PLANTS. *AMOEBA*FLAGELLATES*CILIATES*	CAZONLR -7280551- -
PERCOLATION	SOME CHANGES IN POLLUTED WATER DURING PERCOLATION THROUGH SOIL. *COPPER*NICKEL*CHROMIUM*MANGANESE*ZINC*LEAD*IRON*AMMONIUM*	CAZONLR -7280034- -
PERCOLATION	SEPTIC TANK EFFLUENT PERCOLATION THROUGH SAND UNDER LABORATORY CONDITIONS.	CAZONLR -7280197- -
PERITRICH	PROTOZOA IN BIOLOGICAL SEWAGE-TREATMENT PROCESSES. II. PROTOZOA AS INDICATORS IN THE ACTIVATED SLUDGE PROCESS. *CILIATE*HOLOTRICH*PERITRICH*HYPOTRICH*	CAZONLR -7280100- -
PERITRICH	AN ECOLOGICAL STUDY OF CILIATED PROTOZOA IN ACTIVATED SLUDGE. *FLAGELLATES*CILIATES*HYPOTRICH*PERITRICH*	CAZONLR -7280001- -
PEKS	LAND DISPOSAL OF LIQUID SEWAGE SLUDGE; I. THE EFFECT ON THE GROWTH, CHEMICAL COMPOSITION AND IN VIVO DIGESTIBILITY OF COASTAL BERMUDAGRASS(CYNODON DACTYLON L. PEKS). *NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*MAGNESIUM*	CAZONLR -7280174- -
PHOSPHATE	PHOSPHATE REMOVAL FROM MUNICIPAL SEWAGE. *ACTIVATED*SLUDGE*ALUM*	CAZONLR -7280228- -
PHOSPHATE	OCCURRENCE OF MANGANESE, COPPER, ZINC, MOLYBDENUM, AND COBALT IN PHOSPHATE FERTILIZERS AND SEWAGE SLUDGE.	CAZONLR -7280012- -
PHOSPHATE	ULTIMATE DISPOSAL OF PHOSPHATE FROM WASTE WATER BY RECOVERY AS FERTILIZER.	CAZONLR -7280110- -

PHOSPHORUS	SEWAGE EFFLUENT. *FERTILIZER*APPLICATION*NITROGEN*PHOSPHORUS*POTASSIUM*	CA20NLR -7280093- -
PHOSPHORUS	ADAPTABILITY OF SEWAGE SLUDGE AS A FERTILIZER. *ACTIVATED*DIGESTED*MANURE*CONDITIONER*NITROGEN*PHOSPHORUS*POTASSIUM*	CA20NLR -7280087- -
PHOSPHORUS	FERTILIZING CHARACTERISTICS OF SEWAGE SLUDGE. *NITROGEN*NITRIFICATION*PHOSPHORUS*POTASSIUM*COPPER*ZINC*BOFCN*MANGANESE*POLYBODENIUM*	CA20NLR -7280073- -
PHOSPHORUS	SEWAGE SLUDGE AS A FERTILIZER. *NITROGEN*PHOSPHORUS*POTASSIUM*AMMONIUM*NITRATE*	CA20NLR -7280068- -
PHOSPHORUS	PHOSPHORUS REMOVAL BY LIME ADDITION TO A CONVENTIONAL ACTIVATED SLUDGE PLANT. *	CA20NLR -7280046- -
PHOSPHORUS	AGRICULTURAL VALUE OF SEWAGE SLUDGE. *DIGESTED*ACTIVATED*NITROGEN*PHOSPHORUS*POTASSIUM*NITRIFICATION*	CA20NLR -7280052- -
PHOSPHORUS	RETURNING WASTES TO THE LAND, A ROLE FOR AGRICULTURE. *BORON*SODIUM*POTASSIUM*MAGNESIUM*CALCIUM*NITROGEN*PHOSPHORUS*SULFUR*CHLORIDE*LEACHING*EFFLUENT*REVIFW*	CA20NLR -7280038- -
PHOSPHORUS	RIDGE AND FURROW LIQUID WASTE DISPOSAL IN NORTHERN LATITUDE. *SPRINKLER*FLOOD*RIDGE-FURROW*NITROGEN*PHOSPHORUS*	CA20NLR -7280049- -
PHOSPHORUS	INFLUENCE OF SEWAGE DISPOSAL BY LAND TREATMENT OF WATERS. *POLAND*PHOSPHORUS*REMOVAL*	CA20NLR -7280233- -
PHOSPHORUS	THE OCCURRENCE OF COPPER IN WATER, SEWAGE, AND SLUDGE AND ITS EFFECT ON SLUDGE DIGESTION. *TOXIC*CALCIUM*MAGNESIUM*PHOSPHORUS*MANGANESE*IRON*ALUMINIUM*ZINC*BORON*NICKEL*CHROMIUM*CADMIUM*	CA20NLR -7280231- -
PHOSPHORUS	THE NEW POLLUTION. *PHOSPHORUS REMOVAL*LIME*SEWAGE*	CA20NLR -7280245- -
PHOSPHORUS	CHEMICAL CHANGES IN SEWAGE DURING RECLAMATION BY SPREADING. *AMMONIUM*LEACHING*NITRATE*CALCIUM*MAGNESIUM*PHOSPHORUS*SODIUM*SULFATE*CHLORIDE*BICARBONATE*	CA20NLR -7280145- -
PHOSPHORUS	SEWAGE SLUDGE AS A FERTILIZER. *NITROGEN*PHOSPHORUS*CONTENT*LIQUID*DRIED*DYING*	CA20NLR -7280151- -
PHOSPHORUS	EFFECT OF UNTREATED, MECHANICALLY PURIFIED, AND BIOLOGICALLY TREATED SEWAGE ON FIELD YIELD. *NITROGEN*PHOSPHORUS*POTASSIUM*	CA20NLR -7280153- -
PHOSPHORUS	SEWAGE EFFLUENT DISPOSAL THROUGH CROP IRRIGATION. *COLIFORM*LEACHING*NITROGEN*PHOSPHORUS*MAGNESIUM*CALCIUM*SODIUM*POTASSIUM*	CA20NLR -7280161- -
PHOSPHORUS	LAND DISPOSAL OF LIQUID SEWAGE SLUDGE: I. THE EFFECT ON THE GROWTH, CHEMICAL COMPOSITION AND IN VIVO DIGESTIBILITY OF COASTAL PERMDAGRASS (CYNODON DACTYLON L. PERS). *NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*MAGNESIUM*	CA20NLR -7280174- -
PHOSPHORUS	PHOSPHORUS REMOVAL FROM WASTE WATER BY DIRECT DOSING OF ALUMINATE TO A TRICKLING FILTER.	CA20NLR -7280207- -
PHOSPHORUS	THE PURIFYING EFFECT OF DIFFERENT METHODS OF SEWAGE-WATER TREATMENT IN INVESTIGATIONS OF BERLIN SAND SOIL. *IRRIGATION*SPRINKLER*FLOOD*FURROW*LEACHING*NITROGEN*NITRATE*AMMONIUM*PHOSPHORUS*POTASSIUM*CALCIUM*SODIUM*	CA20NLR -7280183- -
PIASKOWYCH	WSTEPNE BADANTA MOZLIWISCI ZASTOSOWANIA COPADON KOPALNIANYCH GWYCH DO UZYZNANIA GLEBI PIASKOWYCH.II. WPLYW ODPOW. NAWZROST I PLONOWANIE ROSLIN W WAFUNKACH POLOWYCH (PRELIMINARY INVESTIGATIONS ON THE POSSIBILITY OF USING MANURE AND SLUDGE AS FERTILIZERS IN THE GROWTH AND YIELD OF PLANTS IN THE FIELDS).	CA20NLR -7280302- -
PILOT	CATTLESKIN TANNERY WASTE TREATMENT IN A COMPLETELY MIXED ACTIVATED SLUDGE PILOT PLANT. *CHROMIUM*REMOVAL*	CA20NLR -7280184- -
PLANT	CATTLESKIN TANNERY WASTE TREATMENT IN A COMPLETELY MIXED ACTIVATED SLUDGE PILOT PLANT. *CHROMIUM*REMOVAL*	CA20NLR -7280184- -
PLANT	SLUDGE GRANULATING PLANT EXPECTED TO INCREASE REVENUE.	CA20NLR -7280206- -
PLANT	INVESTIGATIONS ON THE PLANT-AVAILABILITY OF N, P, AND K, IN TOWN REFUSE AND REFUSE-SEWAGE SLUDGE COMPOSTS.	CA20NLR -7280211- -
PLANT	TEXAS APPROVES IRRIGATION OF ANNUAL CROPS WITH SEWAGE PLANT EFFLUENTS. *BACTERIA*HELMINTHS*AMOEBA*ASCARIS*SLUDGE*	CA20NLR -7280163- -
PLANT	TRANSPORT OF NUTRIENT SALTS AND TOXIC SUBSTANCES IN THE SOIL-PLANT-ANIMAL ECOSYSTEM. *MERCURY*SEWAGE*FERTILIZER*PHOSPHORUS*NITROGEN*SLUDGE*	CA20NLR -7280324- -

PLANT	CONVERSION TO ACTIVATED SLUDGE AT UNION CARBIDES INSTITUTE PLANT.	CA20NL 9 -7280260- -
PLANT	VIRUS STUDIES ON THE WINHOCK WASTEWATER RECLAMATION PLANT (SOUTHWEST AFRICA). *ENTEROVIRUS*REOVIRUS*ECHOVIRUS* COLIFORM*PACTERIA*	CA20NLR -7280294- -
PLANT	PHOSPHORUS REMOVAL BY LINE ADDITION TO A CONVENTIONAL ACTIVATED SLUDGE PLANT. *	CA20NLR -7280046- -
PLANT	THE SEWAGE UTILIZATION PLANT AT MEPPINGEN.	CA20NLR -7280058- -
PLANT	PLANT NUTRIENTS AS WATER POLLUTANTS. *NITROGEN*NITRATE*	CA20NLR -7280033- -
PLANT	PRODUCTION OF SMALL GRAINS PASTURE FORAGE USING SEWAGE EFFLUENT AS A SOURCE OF IRRIGATION WATER AND PLANT NUTRIENTS.	CA20NLR -7280089- -
PLANT	CITY SEWAGE FOR IRRIGATION AND PLANT NUTRIENTS.	CA20NLR -7280091- -
PLANT	EFFECTS ON VEGETATION OF IRRIGATION WITH WASTE TREATMENT EFFLUENTS AND POSSIBLE PLANT PATHOGEN-IRRIGATION INTERACTIONS.	CA20NLR -7280007- -
PLANT	CROP IRRIGATION WITH SEWAGE PLANT EFFLUENT.	CA20NLR -7280112- -
PLANT	PLANT EFFLUENT SOLD FOR IRRIGATION WATER. *SLUDGE*	CA20NLR -7280111- -
PLANT	EFFECT OF CHROME PLATING WASTES ON WARSAW, INDIANA, SEWAGE TREATMENT PLANT. *SLUDGE*CHROMIUM*VARIABILITY*SAMPLING*	CA20NLR -7280118- -
PLANT	SEWAGE PLANT EFFLUENT FOR IRRIGATION.	CA20NLR -7280435- -
PLANT	PLANT EXPERIMENTS WITH SEWAGE SLUDGE FROM HELSINGFORS. *CATS*CULTURE*CROPS*	CA20NLR -7280450- -
PLANT	EFFECTS OF TREATMENT PLANT EFFLUENT ON SOIL PROPERTIES.	CA20NLR -7280495- -
PLANT	CONTROL OF FERTILIZING MINERALS IN SEWAGE PLANT EFFLUENTS. *ALGAE*FILTRATION*	CA20NLR -7280406- -
PLANT	ZUR VERWENDUNG VON STADTKOMPOSTEN IM ZIERPFLANZENBAU (USE OF MUNICIPAL WASTE COMPOSTS IN ORNAMENTAL PLANT GROWING).	CA20NLR -7280415- -
PLANT	BIBLIOGRAPHY OF REFERENCES TO THE LITERATURE ON THE MINOR ELEMENTS AND THEIR RELATION TO PLANT AND ANIMAL NUTRITION.	CA20NLR -7280508- -
PLANT	PLANT TISSUE ANALYSIS FOR MICRONUTRIENTS.	CA20NLR -7280515- -
PLANT	ABSORPTION AND TRANSLOCATION OF MAMMALIAN VIRUSES BY PLANTS. I. SURVIVAL OF MOUSE ENCEPHALOMYELITIS AND POLIO MYELITIS VIRUSES IN SOIL AND PLANT ROOT ENVIRONMENT. *POLIOVIRUS*ENCEPHALOMYELITIS*PH*	CA20NLR -7280527- -
PLANT	THE ENUMERATION OF YEAST POPULATIONS IN A SEWAGE TREATMENT PLANT.	CA20NLR -7280559- -
PLANTS	THE AVAILABILITY OF CR, NI, ZN, CO, SN, AND PB FOR PLANTS. *CHROMIUM*NICKEL*ZINC*CADMIUM*TIN*LEAD*.	CA20NLR -7280545- -
PLANTS	PROTOZOA IN BIOLOGICAL SEWAGE-TREATMENT PROCESSES. I. A SURVEY OF THE PROTOZOAN FAUNA OF BRITISH PERCOLATING FILTERS AND ACTIVATED SLUDGE PLANTS. *AMOEBA*FLAGELLATES*CILIATES*	CA20NLR -7280551- -
PLANTS	ABSORPTION AND TRANSLOCATION OF MAMMALIAN VIRUSES BY PLANTS. I. SURVIVAL OF MOUSE ENCEPHALOMYELITIS AND POLIO MYELITIS VIRUSES IN SOIL AND PLANT ROOT ENVIRONMENT. *POLIOVIRUS*ENCEPHALOMYELITIS*PH*	CA20NLR -7280527- -
PLANTS	ABSORPTION AND TRANSLOCATION OF MAMMALIAN VIRUSES BY PLANTS.II. RECOVERY AND DISTRIBUTION OF VIRUSES IN PLANTS . *POLIOVIRUS*ENCEPHALOMYELITIS*	CA20NLR -7280528- -
PLANTS	ABSORPTION AND TRANSLOCATION OF MAMMALIAN VIRUSES BY PLANTS.II. RECOVERY AND DISTRIBUTION OF VIRUSES IN PLANTS . *POLIOVIRUS*ENCEPHALOMYELITIS*	CA20NLR -7280528- -

PLANTS	THE EFFECT OF COMPOSTED TOWN REFUSE AND ACTIVATED SLUDGE ON PLANTS AND SOILS.	CA20NLR -7280395- -
PLANTS	USE OF CHROMIUM LEATHER REFUSE AS NITROGEN SOURCE IN THE FERTILIZATION OF PLANTS.	CA20NLR -7280455- -
PLANTS	LEVEL OF TRACE ELEMENTS (NICKEL, COBALT, AND COPPER) IN PLANTS GROWING IN SLURRY FIELDS OF ALUMINUM PRODUCTION	CA20NLP -7280104- -
PLANTS	AN INEXPENSIVE BIOASSAY AIMED AT THE AGRICULTURAL DISPOSAL OF WASTE WATERS. *PLANTS*TOXIC*GERMINATION*	CA20NLP -7280249- -
PLANTS	METAL CONTENT IN SLUDGE FROM WASTE WATER TREATMENT PLANTS IN THE SURROUNDINGS OF COPENHAGEN. *CHROMIUM*MANGANESE* SE*NICKEL*COBALT*ZINC*CADMIUM*COPPER*LEAD*IRON*	CA20NLR -7280281- -
PLANTS	"MILOROMITE" AS A SOURCE OF MINOR NUTRIENT ELEMENTS FOR PLANTS. *BORON*COPPER*MANGANESE*ZINC*	CA20NLR -7280361- -
PLANTS	THE FATE OF ABS IN SOILS AND PLANTS.	CA20NLR -7280216- -
PLATING	EFFECT OF CHROME PLATING WASTES ON INDIANAPOLIS, INDIANA, SEWAGE TREATMENT PLANT. *SLUDGE*CHROMIUM*VARIABILITY*SAMPLING*	CA20NLR -7280118- -
PLONOWANIE	WSTEPNE BADANIA MOZLIWOSCZ ZASTOSOWANIA ODPADOW KOPALNIAZYCH WYCH DO UZYNIANIA GLEB PIASKOWYCH.II. WPLOW ODPADOW NA WZROST I PLONOWANIE ROSLIN W WARUNKACH POLNYCH (PRELIMINARY INVESTIGATIONS ON THE POSSIBILITY OF USING WASTE OF MINING IN THE FERTILIZATION OF SANDY SOILS AND THE INFLUENCE OF WASTE ON THE GROWTH AND YIELD OF PLANTS IN FIELD CONDITIONS)	CA20NLR -7280302- -
PLOTS	SEWAGE IRRIGATION REGIME ON DRAINED PLOTS WITH LOAMY SOILS.	CA20NLR -7280082- -
PODZOLIC	EFFECT OF SEWAGE IRRIGATION ON THE FERTILITY OF SOODY-PODZOLIC LOAMY-SANDY SOILS. *STRUCTURE*HUMUS*ROOTINGS*	CA20NLR -7280081- -
POLAND	FORSTLICHE ABWASSERVERWERTUNG--EIN FAKTOR FUR DIE GANZJAHRIGE ABWASSERLANDBEHANDLUNG (SEWAGE DISPOSAL IN FORESTRY--A FACTOR IN YEAR-ROUND DISPOSAL BY LAND TREATMENT). *POLAND*P.O.D.*IRRIGATION*	CA20NLR -7280103- -
POLAND	CAŁOCZNE ROLNICZE WYKORZYSTANIE SCIEKOW (YEAR-ROUND UTILIZATION OF SEWAGE FOR AGRICULTURAL PURPOSES). *POLAND*FOREST*SLUDGE*	CA20NLR -7280257- -
POLAND	INFLUENCE OF SEWAGE DISPOSAL BY LAND TREATMENT OF WATERS. *POLAND*PHOSPHORUS*REMOVAL*	CA20NLR -7280233- -
POLAND	ECONOMICS OF SEWAGE DISPOSAL IN CONNECTION WITH AGRICULTURAL UTILIZATION. *SPRINKLING*GERMANY*POLAND*	CA20NLP -7280428- -
POLAND	EFFECT OF GEOGRAPHICAL FACTORS ON THE WIDESPREAD AGRICULTURAL USE OF SEWAGE. *IRRIGATION*U.S.A.*BRITAIN*POLAND*	CA20NLP -7280426- -
POLAROGRAPHIC	POTENTIALITIES OF POLAROGRAPHIC TECHNIQUES FOR SEWAGE WORKS ANALYSIS.	CA20NLR -7280243- -
POLAROGRAPHIC	POLAROGRAPHIC DETERMINATION OF METALS IN SEWAGE AND SEWAGE SLUDGES. *ANALYTICAL*COPPER*IRON*CHROMIUM*CADMIUM*NICKEL*ZINC*	CA20NLR -7280277- -
POLIO	ISOLATION OF ENTERIC VIRUSES AND SALMONELLA FROM SEWAGE. *POLIO*COXSACKIE*ECHO*COLIFORM*ENTEROCOCCI*	CA20NLP -7280487- -
POLIO	REMOVAL OF ENTEROVIRUSES FROM SEWAGE BY ACTIVATED SLUDGE. *POLIO*VIRUS*COXSACKIE*BACTERIOPHAGE*	CA20NLR -7280489- -
POLIO MYELITIS	ABSORPTION AND TRANSLOCATION OF MAMMALIAN VIRUSES BY PLANTS. I. SURVIVAL OF MOUSE ENCEPHALOMYELITIS AND POLIO MYELITIS VIRUSES IN SOIL AND PLANT ROOT ENVIRONMENT. *POLIOVIRUS*ENCEPHALOMYELITIS*PH*	CA20NLR -7280527- -
POLIOVIRUS	ABSORPTION AND TRANSLOCATION OF MAMMALIAN VIRUSES BY PLANTS. I. SURVIVAL OF MOUSE ENCEPHALOMYELITIS AND POLIO MYELITIS VIRUSES IN SOIL AND PLANT ROOT ENVIRONMENT. *POLIOVIRUS*ENCEPHALOMYELITIS*PH*	CA20NLP -7280527- -
POLIOVIRUS	ABSORPTION AND TRANSLOCATION OF MAMMALIAN VIRUSES BY PLANTS.II. RECOVERY AND DISTRIBUTION OF VIRUSES IN PLANTS . *POLIOVIRUS*ENCEPHALOMYELITIS*	CA20NLR -7280528- -
POLIOVIRUS	COMPOSTING DEWATERED SEWAGE SLUDGE. *LIME*FERRIC CHLORIDE*SALMONELLA*ASCARIS*POLIOVIRUS*CANDIDA*VIRUS*YEASTS*	CA20NLR -7280325- -
POLIOVIRUS	VIRUS CONTROL AT THE SANTEE, CALIF. PROJECT. *COLIFORM*STREPTOCOCCI*BACTERIA*SEWAGE*EFFLUENT*RECREATION*REGRASSING* US*POLIOVIRUS*ECHOVIRUS*ADENOVIRUS*	CA20NLR -7280070- -

POLLUTANT	REMOVAL OF ENTERIC VIRUSES FROM SEWAGE BY ACTIVATED SLUDGE TREATMENT. *POLIOVIRUS*COXSACKIE*COLIFORM*BACTERIA*STREPTOCOCCI*	CA20NLR -7280561- -
POLLUTANT	PLANT NUTRIENTS AS WATER POLLUTANTS. *NITROGEN*PHOSPHATE*	CA20NLR -7280033- -
POLLUTANT	UNDERGROUND MOVEMENT OF BACTERIAL AND CHEMICAL POLLUTANTS. *COLIFORM*REVIEW*HYGIENE*SEWAGE*EFFLUENT*	CA20NLR -7280023- -
POLLUTED	SOME CHANGES IN POLLUTED WATER DURING PERCOLATION THROUGH SOIL. *COPPER*NICKEL*CHROMIUM*MANGANESE*ZINC*LEAD*IRON*AMMONIUM*	CA20NLR -7280034- -
POLLUTED	A LABORATORY GUIDE TO FUNGI IN POLLUTED WATERS, SEWAGE, AND SEWAGE TREATMENT SYSTEMS.	CA20NLR -7280558- -
POLLUTED	ISOLATION OF POTENTIALLY PATHOGENIC FUNGI FROM POLLUTED WATER AND SEWAGE. *ASPERGILLUS*BOTRYTIS*FUSARIUM*	CA20NLR -7280554- -
POLLUTED	CONTAMINATION OF VEGETABLES GROWN IN POLLUTED SOIL. IV. BACTERIAL DECONTAMINATION. *COLIFORM*SEWAGE*	CA20NLR -7280346- -
POLLUTED	CONTAMINATION OF VEGETABLES GROWN IN POLLUTED SOIL. V. HELMINTHIC DECONTAMINATION. *ASCARIS*SEWAGE*	CA20NLR -7280345- -
POLLUTED	UTILIZATION OF MICRO GREEN ALGAE FOR TREATMENT OF INDUSTRIAL WASTES OR POLLUTED WATER. III. RESISTANCE OF LIVE CHLORELLA IN POLLUTED WATER TO TOXICITY OF SOME HEAVY METALS.	CA20NLR -7280375- -
POLLUTED	CONTAMINATION OF VEGETABLES GROWN IN POLLUTED SOIL. II. FIELD AND LABORATORY STUDIES ON ENDAMOEBIA CYSTS. *SEWAGE*	CA20NLR -7280348- -
POLLUTED	CONTAMINATION OF VEGETABLES GROWN IN POLLUTED SOIL: I. BACTERIAL CONTAMINATION. *COLIFORM*SHIGELLA*SALMONELLA*	CA20NLR -7280349- -
POLLUTED	CONTAMINATION OF VEGETABLES GROWN IN POLLUTED SOIL. III. FIELD STUDIES ON ASCARIS EGGS. *HELMINTHS*SEWAGE*	CA20NLR -7280347- -
POLLUTED	UTILIZATION OF MICRO GREEN ALGAE FOR TREATMENT OF INDUSTRIAL WASTES OR POLLUTED WATER. III. RESISTANCE OF LIVE CHLORELLA IN POLLUTED WATER TO TOXICITY OF SOME HEAVY METALS.	CA20NLR -7280375- -
POLLUTED	CONTAMINATION OF VEGETABLES GROWN IN POLLUTED SOIL: VI. APPLICATION OF RESULTS.	CA20NLR -7280344- -
POLLUTED	PHOSPHORUS IN SEWAGE POLLUTED WATERS SLUDGES AND EFFLUENTS. *REVIEW*NITROGEN*	CA20NLR -7280393- -
POLLUTION	POLLUTION OF IRRIGATION WATERS.	CA20NLR -7280411- -
POLLUTION	FROM POLLUTION PREVENTION TO EFFLUENT REUSE.	CA20NLR -7280390- -
POLLUTION	A REVIEW OF THE 1969 LITERATURE ON WASTEWATER AND WATER POLLUTION CONTROL. *REVIEW*SLUDGE*LAND*PHOSPHORUS*LIME*ALUM*ANALYTICAL*	CA20NLR -7280523- -
POLLUTION	A CRITICAL REVIEW OF THE LITERATURE OF 1951 ON SEWAGE, WASTE TREATMENT AND WATER POLLUTION.	CA20NLR -7280481- -
POLLUTION	A REVIEW OF THE LITERATURE OF 1958 ON SEWAGE, WASTE TREATMENT, AND WATER POLLUTION.	CA20NLR -7280500- -
POLLUTION	SOLVING A POLLUTION PROBLEM IN ISRAEL.	CA20NLR -7280440- -
POLLUTION	ROLE OF ANIMAL WASTES IN AGRICULTURAL LAND RUNOFF. *WATER*POLLUTION*	CA20NLR -7280296- -
POLLUTION	A REVIEW OF LITERATURE OF 1967 ON WASTEWATER AND WATER POLLUTION CONTROL - WASTEWATER TREATMENT - SLUDGE TREATMENT DISPOSAL AND UTILIZATION.	CA20NLR -7280086- -
POLLUTION	FINAL REPORT ON FIELD INVESTIGATION AND RESEARCH ON WASTE WATER RECLAMATION AND UTILIZATION IN RELATION TO UNDERGROUND WATER POLLUTION. *BACTERIA*	CA20NLR -7280141- -
POLLUTION	POLLUTION *COMPOSTS*WASTE UTILIZATIONS*.	CA20NLR -7280129- -
POLLUTION	THE NEW POLLUTION. *PHOSPHORUS REMOVAL*LIME*SEWAGE*	CA20NLR -7280245- -
POLLUTION	FERTILITY OR POLLUTION. *SOIL*RTV*CI*WATER*INFEST*SEWAGE*	CA20NLR -7280166- -

POLLUTION	FEASIBILITY OF RADIOISOTOPE X-RAY FLUORESCENCE ANALYSIS FOR MEASURING WATER POLLUTION BY METALS. *ANALYTICAL*IRON*COPPER*LEAD*ZINC*MERCURY*CADMIUM*	CA20NLR -7280169- -
POLWYCH	WSTEPNE BADANIA MOZLIWOSC ZASTOSOWANIA ODPADOW KOPALNIANYCH DNYCH DO UZYZNANIA GLEE PIASKOWYCH.II. WPLYW ODPADOW NAWZROST I PLONOWANIE ROSLIN W WAPUNKACH POLOWYCH (PRELIMINARY INVESTIGATIONS ON THE POSSI	CA20NLR -7280302- -
POLYCHLORINATED	HEAVY METALS AND CHLORINATED HYDROCARBONS IN SLUDGE. LINDANE*SEWAGE*SLUDGES*DDT*SEWAGE*SLUDGE*BIPHENYLS*POLYCHLORINATED*SEWAGE*	CA20NLR -7280291- -
POLYPHOSPHATE	PHOSPHATE REMOVAL BY A LIME-BIOLOGICAL TREATMENT SCHEME. *LIME*ORTHOPHOSPHATE*POLYPHOSPHATE*	CA20NLR -7280521- -
POND	SPECIES OF FUSARIUM ISOLATED FROM A WASTE STABILIZATION POND SYSTEM.	CA20NLR -7280557- -
PONDS	OXIDATION PONDS AND USE OF EFFLUENT IN ISRAEL.	CA20NLR -7280439- -
PONDS	SEWAGE RECLAIMED FOR IRRIGATION IN IN ISRAEL FARM OXIDATION PONDS. *BOD*COLIFORM*	CA20NLR -7280162- -
PONDS	NOTES ON EUGLENA ACUS EHRENBERG FROM SEWAGE TREATMENT PONDS.	CA20NLR -7280157- -
PONDS	SEWAGE RECLAIMED FOR IRRIGATION IN ISRAEL FARM OXIDATION PONDS. *ANALYTICAL*	CA20NLR -7280102- -
POPULATION	POPULATION DESCRIPTION OF THE NON-METHANOGENIC PHASE OF ANAEROBIC DIGESTION- I ISOLATION, CHARACTERIZATION AND IDENTIFICATION OF NUMERICALLY IMPORTANT BACTERIA.	CA20NLR -7280514- -
POPULATION	AEROBIC HETEROTROPHIC BACTERIAL POPULATIONS OF SEWAGE AND ACTIVATED SLUDGE. V. ANALYSIS OF POPULATION STRUCTURE AND ACTIVITY.	CA20NLR -7280273- -
POPULATIONS	AEROBIC HETEROTROPHIC BACTERIAL POPULATIONS OF SEWAGE AND ACTIVATED SLUDGE. III. ADAPTATION IN A SYNTHETIC WASTE.	CA20NLR -7280270- -
POPULATIONS	AEROBIC HETEROTROPHIC BACTERIAL POPULATIONS OF SEWAGE AND ACTIVATED SLUDGE. II. METHOD OF CHARACTERIZATION OF ACTIVATED SLUDGE BACTERIA.	CA20NLR -7280271- -
POPULATIONS	AEROBIC HETEROTROPHIC BACTERIAL POPULATIONS OF SEWAGE AND ACTIVATED SLUDGE. I. ENUMERATION.	CA20NLR -7280272- -
POPULATIONS	AEROBIC HETEROTROPHIC BACTERIAL POPULATIONS OF SEWAGE AND ACTIVATED SLUDGE. V. ANALYSIS OF POPULATION STRUCTURE AND ACTIVITY.	CA20NLR -7280273- -
POPULATIONS	AEROBIC HETEROTROPHIC BACTERIAL POPULATIONS OF SEWAGE AND ACTIVATED SLUDGES.	CA20NLR -7280274- -
POPULATIONS	THE ENUMERATION OF YEAST POPULATIONS IN A SEWAGE TREATMENT PLANT.	CA20NLR -7280559- -
PORE	PORE GAS COMPOSITION UNDER SEWAGE SPREADING.	CA20NLR -7280367- -
POTASSIUM	THE EFFECT OF SEWAGE SLUDGE ON ION ACTIVITY IN SOILS. *CALCIUM*MAGNESIUM*POTASSIUM*	CA20NLR -7280372- -
POTASSIUM	SEWAGE SLUDGE AS FERTILIZER. *NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*LEAD*MAGNESIUM*COPPER*IRON*ALUMINUM*ZINC*ARSENIC*BARIUM*SULFUR*MANGANESE*BISMUTH CHLORINE*TOLEDO*	CA20NLR -7280299- -
POTASSIUM	AGRICULTURAL USAGE OF SEWAGE OF THE TOWN OF ZOPY. *NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*MAGNESIUM*IRON*CHLORIDES*	CA20NLR -7280266- -
POTASSIUM	AN INVESTIGATION OF SEWAGE SPREADING ON FIVE CALIFORNIA SOILS. *INFILTRATION*COLIFORM*CALCIUM*MAGNESIUM*SODIUM*POTASSIUM*IRRIGATION*	CA20NLR -7280286- -
POTASSIUM	FERTILIZER AND FERTILITY VALUE OF SEWAGE SLUDGE. *NITROGEN*PHOSPHORUS*POTASSIUM*ALUMINUM*CALCIUM*MAGNESIUM*MANGANESE*SODIUM*TITANIUM*COPPER*BARIUM*ZINC*LEAD*NICKEL*CORALT*SULFUR*CHROMIUM*ARSENIC*BORON*IODINE*GREASE*L	CA20NLR -7280522- -
POTASSIUM	AGRICULTURAL BENEFITS AND ENVIRONMENTAL CHANGES RESULTING FROM THE USE OF DIGESTED SEWAGE SLUDGE ON FIELD CROPS. *NITROGEN*PHOSPHORUS*POTASSIUM*CHROMIUM*CADMIUM*COPPER*LEAD*MANGANESE*NICKEL*ZINC*COLIFORM*VIRUS*	CA20NLR -7280540- -

POTASSIUM	SEWAGE DISPOSAL BY LAND IRRIGATION. *PHOSPHORUS*POTASSIUM*PH*HUMUS*	CA2ONLP -7280429- -
POTASSIUM	TEST OF SEWAGE SLUDGE FOR FERTILITY AND TOXICITY IN SOILS. *NITROGEN*PHOSPHORUS*POTASSIUM*SULFUR*	CA2ONLP -7280445- -
POTASSIUM	THE COMPOSITION AND FERTILIZING VALUE OF SEWAGE SLUDGE. *NITROGEN*PHOSPHORUS*POTASSIUM*DIGESTED*ACTIVATED*NITRIFICATION.	CA2ONLR -7280490- -
POTASSIUM	DISPOSAL OF MUNICIPAL WASTE WATER THROUGH FOREST IRRIGATION. *PENNSYLVANIA*NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*MAGNESIUM*MANGANESE*IRON*COPPER*BORON*ALUMINUM*ZINC*SODIUM*SEWAGE*	CA2ONLR -7280502- -
POTASSIUM	SEWAGE EFFLUENT. *FERTILIZER*IRRIGATION*NITROGEN*PHOSPHORUS*POTASSIUM*	CA2ONLP -7280093- -
POTASSIUM	ADAPTABILITY OF SEWAGE SLUDGE AS A FERTILIZER. *ACTIVATED*DIGESTED*MANURE*CONDITIONER*NITROGEN*PHOSPHORUS*POTASSIUM*	CA2ONLR -7280087- -
POTASSIUM	FERTILIZING CHARACTERISTICS OF SEWAGE SLUDGE. *NITROGEN*NITRIFICATION*PHOSPHORUS*POTASSIUM*COPPER*ZINC*BORON*MANGANESE*OLYBDENUM*	CA2ONLP -7280073- -
POTASSIUM	SEWAGE SLUDGE FOR SOIL IMPROVEMENT. *REVIEW*NITRIFICATION*FERTILIZER*ACTIVATED*DIGESTED*NITROGEN*PHOSPHORUS*POTASSIUM*	CA2ONLP -7280071- -
POTASSIUM	AGRICULTURAL VALUE OF SEWAGE SLUDGE. *DIGESTED*ACTIVATED*NITROGEN*PHOSPHORUS*POTASSIUM*NITRIFICATION*	CA2ONLP -7280052- -
POTASSIUM	RETURNING WASTES TO THE LAND, A ROLE FOR AGRICULTURE. *BORON*SODIUM*POTASSIUM*MAGNESIUM*CALCIUM*NITROGEN*PHOSPHORUS*SULFUR*CHLORIDE*LEACHING*EFFLUENT*REVIEW*	CA2ONLP -7280038- -
POTASSIUM	SEWAGE SLUDGE AS A FERTILIZER. *NITROGEN*PHOSPHORUS*POTASSIUM*AMMONIUM*NITRATE*	CA2ONLR -7280068- -
POTASSIUM	COMPOSITION AND NITRIFICATION CHARACTERISTICS OF SOME SEWAGE AND INDUSTRIAL SLUDGES. *ACTIVATED*DIGESTED*NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*MAGNESIUM*COPPER*BORON*MANGANESE*OLYBDENUM*ZINC*SULFUR*PH*	CA2ONLR -7280011- -
POTASSIUM	THE UTILIZATION OF SEWAGE SLUDGE AS FERTILIZER. *NITROGEN*PHOSPHORUS*POTASSIUM*REVIEW*	CA2ONLR -7280022- -
POTASSIUM	STUDIES OF WASTE WATER RECLAMATION AND UTILIZATION. *REVIEW*CALCIUM*MAGNESIUM*SODIUM*POTASSIUM*AMMONIUM*SULFUR*NITRATE*BORON*CONDUCTIVITY*CALIFORNIA*	CA2ONLR -7280024- -
POTASSIUM	SEWAGE EFFLUENT DISPOSAL THROUGH CROP IRRIGATION. *COLIFORM*LEACHING*NITROGEN*PHOSPHORUS*MAGNESIUM*CALCIUM*SODIUM*POTASSIUM*	CA2ONLR -7280161- -
POTASSIUM	EFFECT OF UNTREATED, MECHANICALLY PURIFIED, AND BIOLOGICALLY TREATED SEWAGE ON FIELD YIELD. *NITROGEN*PHOSPHORUS*POTASSIUM*	CA2ONLR -7280153- -
POTASSIUM	LAND DISPOSAL OF LIQUID SEWAGE SLUDGE; I. THE EFFECT IN THE GROWTH, CHEMICAL COMPOSITION AND IN VIVO DIGESTIBILITY OF COASTAL BERMUDAGRASS(CYNODON DACTYLON L. PERS). *NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*MAGNESIUM*	CA2ONLR -7280174- -
POTASSIUM	THE SOLUBILITY OF HEAVY METAL HYDROXIDES IN WATER, SEWAGE AND SEWAGE SLUDGE. III. THE SOLUBILITY OF HEAVY METALS PRESENT IN DIGESTED SEWAGE SLUDGE *NICKEL*IRON*ZINC*COPPER*SODIUM*POTASSIUM*CALCIUM*	CA2ONLR -7280192- -
POTASSIUM	THE PURIFYING EFFECT OF DIFFERENT METHODS OF SEWAGE-WATER TREATMENT IN INVESTIGATIONS OF BERLIN SAND SOIL. *IRRIGATION*SPRINKLER*FLOOD*FURROW*LEACHING*NITROGEN*NITRATE*AMMONIUM*PHOSPHORUS*POTASSIUM*CALCIUM*SODIUM*	CA2ONLR -7280183- -
POTATOES	CHEMICAL COMPOSITION OF POTATOES GROWN ON FIELDS FERTILIZED WITH SEWAGE SEDIMENTS.	CA2ONLR -7280205- -
POTATOES	EFFECTS OF ORGANIC AMENDMENTS ON MANGANESE TOXICITY IN POTATOES AS MEASURED BY SAND AND SOIL CULTURE STUDIES.	CA2ONLR -7280015- -
POTATOES	COMPARISONS OF FARMYARD MANURE, SEWAGE SLUDGE, AND OTHER ORGANIC MANURES TESTED ON POTATOES AND A SUCCEEDING CEREAL CROP AT ROTHAMSTED.	CA2ONLP -7280131- -
POTENTIALITIES	POTENTIALITIES OF POLAROGRAPHIC TECHNIQUES FOR SEWAGE WORKS ANALYSIS.	CA2ONLP -7280243- -
POTENTIALLY	ISOLATION OF POTENTIALLY PATHOGENIC FUNGI FROM POLLUTED WATER AND SEWAGE. *ASPERGILLUS*BOTRYTIS*FUSARIUM*	CA2ONLP -7280554- -

PRACTISED	SEWAGE IRRIGATION AS PRACTISED IN THE WESTERN STATES.	CA20NLR -7280539- -
PRECIPITATION	THE SOLUBILITY OF HEAVY METAL HYDROXIDES IN WATER, SEWAGE AND SEWAGE SLUDGE. II. THE PRECIPITATION OF METALS BY SEWAGE. *COPPER*NICKEL*ZINC*IRON*	CA20NLR -7280190- -
PREPARED	A CONTRIBUTION TO THE CHARACTERIZATION OF ORGANIC MATTER IN TOWN-REFUSE COMPOSTS AND SEWAGE SLUDGES AND IN OTHER HUMUS FERTILIZERS PREPARED FROM THEM. *ANALYTICAL*	CA20NLR -7280210- -
PRESS	EFFECT OF FILTER-PRESS CAKE ON CROP YIELDS AND SOIL PROPERTIES.	CA20NLR -7280079- -
PRETREATMENT	INFLUENCE OF DOMESTIC WASTEWATER PRETREATMENT ON SOIL CLOGGING.	CA20NLR -7280494- -
PRETREATMENT	THE NEED FOR PRETREATMENT OF SEWAGE UTILIZED FOR AGRICULTURAL PURPOSES.	CA20NLR -7280424- -
PREVALENCE	EFFECT OF SEWAGE LOADING ON PREVALENCE OF SPHAEROTILUS NATANS.	CA20NLR -7280365- -
PREVENTION	FROM POLLUTION PREVENTION TO EFFLUENT REUSE.	CA20NLR -7280390- -
PRICES	HOW ONE CITY SELLS ITS SLUDGE. *PRICES*	CA20NLR -7280187- -
PRINCIPLES	SOME PRINCIPLES OF AGRICULTURAL IRRIGATION.	CA20NLR -7280317- -
PROBLEMATIK	ZUR PROBLEMATIK DER ABWASSERSCHLAMMVERWERTUNG IM LANDRAU (THE PROBLEMS OF THE UTILIZATION OF SEWAGE SLUDGE IN AGRICULTURE).	CA20NLR -7280180- -
PROCESSES	EFFECTIVENESS OF WATER TREATMENT PROCESSES IN VIRUS REMOVAL.	CA20NLR -7280212- -
PROCESSES	PATHWAYS OF PHOSPHORUS IN BIOLOGICAL TREATMENT PROCESSES.	CA20NLR -7280330- -
PROCESSES	PROTOZOA IN BIOLOGICAL SEWAGE-TREATMENT PROCESSES. II. PROTOZOA AS INDICATORS IN THE ACTIVATED SLUDGE PROCESS. *CILIATE*HOLOTRICH*PERITRICH*HYPOTRICH*	CA20NLR -7280100- -
PROCESSES	IRRIGATION PROCESSES USING RECLAIMED WATER OR EFFLUENT DESCRIBED.	CA20NLR -7280142- -
PROCESSES	PROTOZOA IN BIOLOGICAL SEWAGE-TREATMENT PROCESSES. I. A SURVEY OF THE PROTOZOAN FAUNA OF BRITISH PERCOLATING FILTERS AND ACTIVATED SLUDGE PLANTS. *AMOEBA*FLAGELLATES*CILIATES*	CA20NLR -7280551- -
PRODUCT	UTILIZATION OF SEWAGE SLUDGE FROM THE PRODUCT OF TOPSOIL. *NEW YORK*SEA TRANSPORT*	CA20NLR -7280337- -
PRODUCT	THE EFFECT OF LIME-CONTAINING INDUSTRIAL WASTES ON GROWTH AND DEVELOPMENT ON SEVERAL FARM CROPS AND PRODUCT QUALITY.	CA20NLR -7280404- -
PRODUCTIVITY	THE EFFECT OF SPRINKLING IRRIGATION WITH SEWAGE ON THE PRODUCTIVITY OF MEADOWS AND SOME BIOCHEMICAL PHENOMENA IN THE SOIL.	CA20NLR -7280043- -
PRODUCTS	THE USE OF INDUSTRIAL PRODUCTS AS FERTILIZERS WITH TRACE ELEMENTS IN ROMANIA. *COBALT*IRON*MANGANESE*CONTENT*LEAD*ZINC*COPPER*SULFUR*	CA20NLR -7280051- -
PROFILES	EFFECT OF SEWAGE IRRIGATION OF SOIL PROFILES.	CA20NLR -7280373- -
PROSPECT	A NEW PROSPECT. *IRRIGATION*SPRINKLER*SEWAGE*EFFLUENT*LEACHING*PENNSYLVANIA*	CA20NLR -7280199- -
PROTEIN	DETERMINATION OF PROTEIN CONTENT OF ANAEROBIC DIGESTING SLUDGE.	CA20NLR -7280156- -
PROTEIN	UTILIZATION OF NITROGEN-CONTAINING COMPOUNDS FOR THE BIOSYNTHESIS OF PROTEIN IN SECONDARY TREATMENT.	CA20NLR -7280497- -
PROTOZOA	PROTOZOA AND ACTIVATED SLUDGE.	CA20NLR -7280532- -
PROTOZOA	SOLID WASTE/DISEASE RELATIONSHIPS, A LITERATURE SURVEY. *BACTERIA*PROTOZOA*VIRUS*FUNGUS*HELMINTHS*	CA20NLR -7280189- -
PROTOZOA	PROTOZOA IN BIOLOGICAL SEWAGE-TREATMENT PROCESSES. II. PROTOZOA AS INDICATORS IN THE ACTIVATED SLUDGE PROCESS. *CILIATE*HOLOTRICH*PERITRICH*HYPOTRICH*	CA20NLR -7280100- -

PROTOZOA	PROTOZOA IN BIOLOGICAL SEWAGE-TREATMENT PROCESSES. II. PROTOZOA AS INDICATORS IN THE ACTIVATED SLUDGE PROCESS. *CILIATE*HOLOTRICH*PERITRICH*HYPOTRICH*	CA2ONLR -7280100- -
PROTOZOA	SURVIVAL OF PATHOGENS AND RELATED DISEASE HAZARDS. *BACTERIA*SPIROCHETES*PROTOZOA*HELMINTHS*VIPUSES*REVIEW*	CA2ONLR -7280107- -
PROTOZOA	AN ECOLOGICAL STUDY OF CILIATED PROTOZOA IN ACTIVATED SLUDGE. *FLAGELLATES*CILIATES*HYPOTRICH*PERITRICH*	CA2ONLR -7280001- -
PROTOZOA	PROTOZOA IN BIOLOGICAL SEWAGE-TREATMENT PROCESSES. I. A SURVEY OF THE PROTOZOAN FAUNA OF BRITISH PERCOLATING FILTERS AND ACTIVATED SLUDGE PLANTS. *AMOEBA*FLAGELLATES*CILIATES*	CA2ONLR -7280551- -
PROTOZOAN	PROTOZOA IN BIOLOGICAL SEWAGE-TREATMENT PROCESSES. I. A SURVEY OF THE PROTOZOAN FAUNA OF BRITISH PERCOLATING FILTERS AND ACTIVATED SLUDGE PLANTS. *AMOEBA*FLAGELLATES*CILIATES*	CA2ONLR -7280551- -
PSEUDOMONAS	DIRECT-ISOLATION STUDIES ON AEROBIC AND FACULTATIVE ANAEROBIC BACTERIAL FLORA OF ANAEROBIC DIGESTERS RECEIVING RAW SEWAGE SLUDGE. *COLIFORM*BACILLUS*PSEUDOMONAS*MICROCOCCUS*	CA2ONLR -7280465- -
PSEUDOMONAS	ENRICHMENT CULTURE STUDIES ON AEROBIC AND FACULTATIVE ANAEROBIC BACTERIA FOUND IN ANAEROBIC DIGESTERS. *BACILLUS*COLIFORM*PSEUDOMONAS*	CA2ONLR -7280466- -
PUBLIC	PUBLIC HEALTH PROBLEMS RELATED TO IRRIGATION.	CA2ONLR -7280524- -
PUBLIC	PUBLIC HEALTH ASPECTS OF THE CONTAMINATION OF GROUNDWATER IN THE VICINITY OF DIRBY COLORADO.	CA2ONLR -7280511- -
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PUBLIC	PUBLIC HEALTH ASPECTS OF SEWAGE FARMING. *FERTILIZER*	CA2ONLR -7280222- -
PUBLIC	PUBLIC HEALTH SIGNIFICANCE OF SEWAGE SLUDGE WHEN USED AS A FERTILIZER.	CA2ONLR -7280369- -
PUBLIC	PUBLIC HEALTH ASPECTS OF WASTE WATER UTILIZATION IN ISRAEL.	CA2ONLR -7280322- -
PUMPING	ADVANCES IN SLUDGE DISPOSAL IN THE PERIOD FROM OCTOBER 1, 1954, TO FEBRUARY 1, 1960. *DIGESTION*PUMPING*DRYING*FERTILIZER*REVIEW*	CA2ONLR -7280377- -
PURIFICATION	LAND IN SEWAGE PURIFICATION. *SLUDGE*IRRIGATION*COPPER*CHROMIUM*NICKEL*	CA2ONLR -7280384- -
PURIFICATION	INVESTIGATIONS ON THE PURIFICATION OF BOSTON SEWAGE.	CA2ONLR -7280414- -
PURIFICATION	DIE STELLUNG DER ABWASSERLANDBEHANDLUNG ALS REGELMETHODE DER ABWASSERREINIGUNG UND ERFORDERNISSE ZU IHRER WEITERENTWICKLUNG IN DER DDR. (SEWAGE DISPOSAL BY LAND TREATMENT---A REGULAR METHOD OF WATER PURIFICATION, IT	CA2ONLR -7280354- -
PURIFICATION	ZUM REINIGUNGSEFFEKT DER ABWASSERLANDBEHANDLUNG IN BIOLOGISCH-HYGIENISCHER SICHT (BIOLOGICO-HYGIENIC ASPECTS OF PURIFICATION EFFICIENCY IN SEWAGE DISPOSAL BY LAND TREATMENT). *COLIFORM*LEACHING*	CA2ONLR -7280170- -
PURIFICATION	TOXICITY OF CHROMIUM SALTS IN RELATION TO MICRO-ORGANISMS RESPONSIBLE FOR PURIFICATION.	CA2ONLR -7280027- -
PURIFIED	EFFECT OF UNTREATED, MECHANICALLY PURIFIED, AND BIOLOGICALLY TREATED SEWAGE ON FIELD YIELD. *NITROGEN*PHOSPHORUS*POTASSIUM*	CA2ONLR -7280153- -
PURIFYING	THE PURIFYING EFFECT OF DIFFERENT METHODS OF SEWAGE-WATER TREATMENT IN INVESTIGATIONS OF BERLIN SAND SOIL. *IRRIGATION*SPRINKLER*FLOOD*FURROW*LEACHING*NITROGEN*NITRATE*AMMONIUM*PHOSPHORUS*POTASSIUM*CALCIUM*SODIUM*	CA2ONLR -7280183- -
PUTREFYING	EFFECT OF DIFFERENT PUTREFYING WASTE-WATER SLUDGE APPLICATIONS ON THE WATER-STORAGE CAPACITY AND YIELD OF A SANDY SOIL.	CA2ONLR -7280182- -
PUTTING	PUTTING SEWAGE SOLIDS BACK TO WORK.	CA2ONLR -7280505- -
QUESTIONS	TECHNISCHE FRAGEN DER GANZJAHRIGEN ABWASSERLANDBEHANDLUNG SOWIE GANZJAHRIGE BEWASSERUNG SCHWERER BODEN MIT KOMMUNALEN ABWASSERN (TECHNICAL QUESTIONS RELATED WITH YEAR-ROUND LAND TREATMENT OF SEWAGE EFFLUENT AS WELL AS	CA2ONLR -7280338- -

RADIOISOTOPE	FEASIBILITY OF RADIOISOTOPE X-RAY FLUORESCENCE ANALYSIS FOR MEASURING WATER POLLUTION BY METALS. *ANALYTICAL* RCH*COPPER*LEAD*ZINC*MERCURY*CADMIUM*	CA2ONLR -7280169- -
RAIN	INFECTION OF VEGETABLES BY APPLICATION OF DOMESTIC SEWAGE AS ARTIFICIAL RAIN. *COLIFORM*SALMONELLA*VEGETABLES* FRUIT*	CA2ONLR -7280306- -
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REACTIONS	ORGANIC MATTER REACTIONS INVOLVING MICRONUTRIENTS IN SOILS.	CA2ONLR -7280488- -
REACTIONS	ADSORPTION REACTIONS OF MICRONUTRIENTS IN SOILS. *COPPER*ZINC*BORON*MOLYBDENUM*IRON*MANGANESE*	CA2ONLR -7280492- -
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RECIRCULATION	REDUCTION OF DIGESTED SLUDGE VOLUME BY CONTROLLED RECIRCULATION.	CA2ONLR -7280462- -
RECLAIMED	AGRICULTURAL USES OF RECLAIMED SEWAGE EFFLUENT. *IRRIGATION*TOXIC*BORON*METALS*	CA2ONLR -7280421- -
RECLAIMED	SEWAGE RECLAIMED FOR IRRIGATION IN ISRAEL FARM OXIDATION PONDS. *ANALYTICAL*	CA2ONLR -7280102- -
RECLAIMED	IRRIGATION PROCESSES USING RECLAIMED WATER OR EFFLUENT DESCRIBED.	CA2ONLR -7280142- -
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RECLAIMED	IRRIGATION WITH RECLAIMED WASTEWATER.	CA2ONLR -7280168- -
RECLAMATION	COMPLEMENTARY RELATIONSHIPS BETWEEN RECLAMATION OF SURFACE MINED LAND AND SLUDGE DISPOSAL.	CA2ONLR -7280167- -
RECLAMATION	NORTHWESTERN UNIVERSITY SOIL ENRICHMENT RECLAMATION PROJECT. *LEACHING*NITRATE*NITRITE*NITROGEN*	CA2ONLR -7280159- -
RECLAMATION	RECLAMATION OF WATER FROM SEWAGE AND INDUSTRIAL WASTES IN LOS ANGELES COUNTY.	CA2ONLR -7280241- -
RECLAMATION	WATER RECLAMATION AND REFUSE DISPOSAL. - A REPORT ON THE 13TH ANNUAL CONFERENCE OF THE CALIF. SEWAGE AND INDUS T. WASTES ASSOC.	CA2ONLR -7280239- -
RECLAMATION	STUDIES OF WASTE WATER RECLAMATION AND UTILIZATION. *REVIEW*CALCIUM*MAGNESIUM*SODIUM*POTASSIUM*AMMONIUM*SULFUR *NITRATE*BORON*CONDUCTIVITY*CALIFORNIA*	CA2ONLR -7280024- -
RECLAMATION	SEWAGE EFFLUENT RECLAMATION FOR INDUSTRIAL AND AGRICULTURAL USE.	CA2ONLR -7280144- -
RECLAMATION	CHEMICAL CHANGES IN SEWAGE DURING RECLAMATION BY SPREADING. *AMMONIUM*LEACHING*NITRATE*CALCIUM*MAGNESIUM*PHOSP HORUS*SODIUM*SULFATE*CHLORIDE*BICARBONATE*	CA2ONLR -7280145- -
RECLAMATION	FINAL REPORT ON FIELD INVESTIGATION AND RESEARCH ON WASTE WATER RECLAMATION AND UTILIZATION IN RELATION TO UND ERGROUND WATER POLLUTION. *BACTERIA*	CA2ONLR -7280141- -
RECLAMATION	LAND RECLAMATION-A COMPLETE SOLUTION OF SLUDGE AND SOLIDS DISPOSAL PROBLEM. *CHICAGO*	CA2ONLR -7280096- -
RECLAMATION	THIRD REPORT ON THE SLUDGE OF WASTE WATER RECLAMATION AND UTILIZATION.	CA2ONLR -7280065- -
RECLAMATION	STUDY OF WASTE WATER RECLAMATION AND UTILIZATION.	CA2ONLR -7280374- -
RECLAMATION	SEWAGE RECLAMATION AT FRESNO, CALIFORNIA.	CA2ONLR -7280327- -
RECLAMATION	REPORT ON CONTINUED STUDY OF WASTE WATER RECLAMATION AND UTILIZATION.	CA2ONLR -7280315- -

RECLAMATION	VIRUS STUDIES ON THE WINHOK WASTEWATER RECLAMATION PLANT (SOUTHWEST AFRICA). *ENTEROVIRUS*REOVIRUS*ECHOVIRUS* COLIFORM*BACTERIA*	CA2ONLR -7280294- -
RECLAMATION	USE OF SOIL LYSIMETERS IN WASTE WATER RECLAMATION STUDIES. *SEWAGE*	CA2ONLR -7280287- -
RECREATION	VIRUS CONTROL AT THE SANTEE, CALIF. PROJECT. *COLIFORM*STREPTOCOCCI*BACTERIA*SEWAGE*EFFLUENT*RECREATION*REOVIR US*POLIOVIRUS*ECHOVIRUS*ADENOVIRUS*	CA2ONLR -7280070- -
RECYCLING	RECYCLING SEWAGE BIOLOGICALLY.	CA2ONLR -7280075- -
REDUX	ISOLATION AND IDENTIFICATION OF ANAEROBIC AND FACULTATIVE BACTERIA PRESENT IN THE DIGESTION PROCESS. *COLIFORM *REDUX*	CA2ONLR -7280553- -
REDUCTION	DISPLACEMENT OF IRON IN SOIL IRRIGATED WITH SEWAGE. *DRAINAGE*OXIDATION*REDUCTION*	CA2ONLR -7280044- -
REDUCTION	REDUCTION OF DIGESTED SLUDGE VOLUME BY CONTROLLED RECIRCULATION.	CA2ONLR -7280462- -
REDUCTION	SOIL CHEMICAL CHANGES AND INFILTRATION RATE REDUCTION UNDER SEWAGE SPREADING.	CA2ONLR -7280470- -
REFUSE	SOIL IMPROVEMENT WITH PEAT, DECOMPOSED REFUSE, AND SEWAGE SLUDGE. *REVIEW*	CA2ONLR -7280459- -
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REFUSE	REFUSE-SEWAGE COMPOST AS SOIL AMENDMENT AND FERTILIZER.	CA2ONLR -7280378- -
REFUSE	THE EFFECT OF COMPOSTED TOWN REFUSE AND ACTIVATED SLUDGE ON PLANTS AND SOILS.	CA2ONLR -7280395- -
REFUSE	THE EFFECT OF SEWAGE SLUDGE, COMPOSTED REFUSE AND AMMONIA LIQUOR ON CABBAGE YIELDS.	CA2ONLR -7280040- -
REFUSE	COMBINED DISPOSAL OF SEWAGE SLUDGE AND REFUSE.	CA2ONLR -7280047- -
REFUSE	EXPERIMENTS WITH FARMYARD MANURE, SEWAGE SLUDGES AND TOWN REFUSE ON MICROPLOTS AT SCHOOLS 1940-1949.	CA2ONLR -7280132- -
REFUSE	EXPERIMENTS ON DIRECT CUMULATIVE AND RESIDUAL EFFECTS OF TOWN REFUSE MANURES AND SEWAGE SLUDGE AT ROTHAMSTED A ND OTHER CENTRES, 1940-1947.	CA2ONLR -7280130- -
REFUSE	PREPARATION OF REFUSE COMPOSTS AND REFUSE-SEWAGE-SLUDGES COMPOSTS AND TESTS OF THEIR MANURIAL VALUE.	CA2ONLR -7280028- -
REFUSE	PREPARATION OF REFUSE COMPOSTS AND REFUSE-SEWAGE-SLUDGES COMPOSTS AND TESTS OF THEIR MANURIAL VALUE.	CA2ONLR -7280028- -
REFUSE	METAL AND PARTICULATE EMISSIONS FROM INCINERATORS BURNING SEWAGE SLUDGE AND MIXED REFUSE.	CA2ONLR -7280002- -
REFUSE	THE BORON AND MANGANESE CONTENTS OF REFUSE-SLUDGE COMPOSTS.	CA2ONLR -7280268- -
REFUSE	EIN ZWOLFJAHRIGER FREILANDVERSUCH ZUR WIRKUNG VON MULL-UND KLARSCHLAMMKOMPOSTEN, STALLMIST UND STROH AUF ERTRAG, G, NAHRSTOFF-UND HUMUSHAUSHALT DES BODENS (A TWELVE-YEAR FIELD TEST ON THE EFFECT OF REFUSE COMPOSTS AND S	CA2ONLR -7280326- -
REFUSE	WATER RECLAMATION AND REFUSE DISPOSAL. - A REPORT ON THE 13TH ANNUAL CONFERENCE OF THE CALIF. SEWAGE AND INDUS T. WASTES ASSOC.	CA2ONLR -7280239- -
REFUSE	A CONTRIBUTION TO THE CHARACTERIZATION OF ORGANIC MATTER IN TOWN-REFUSE COMPOSTS AND SEWAGE SLUDGES AND IN OTH ER HUMUS FERTILIZERS PREPARED FROM THEM. *ANALYTICAL*	CA2ONLR -7280210- -
REFUSE	INVESTIGATIONS ON THE PLANT-AVAILABILITY OF N, P, AND K, IN TOWN REFUSE AND REFUSE-SEWAGE SLUDGE COMPOSTS.	CA2ONLR -7280211- -
REFUSE	INVESTIGATIONS ON THE PLANT-AVAILABILITY OF N, P, AND K, IN TOWN REFUSE AND REFUSE-SEWAGE SLUDGE COMPOSTS.	CA2ONLR -7280211- -
REGELMETHODE	DIE STELLUNG DER ABWASSERBODENBEHANDLUNG ALS REGELMETHODE DER ABWASSERREINIGUNG UND ERFORDERNISSE ZU IHRER WEI TERENTWICKLUNG IN DER DDR. (SEWAGE DISPOSAL BY LAND TREATMENT---A REGULAR METHOD OF WATER PURIFICATION, IT	CA2ONLR -7280354- -
REGIME	SEWAGE IRRIGATION REGIME ON DRAINED PLOTS WITH LOAMY SOILS.	CA2ONLR -7280082- -

REGULATIONS	CALIFORNIA REGULATES USE OF SEWAGE FOR CROP IRRIGATION. *VEGETABLES*FRUIT*FORAGE*GRAIN*CORN*BACTERIA*	CA20NLP -7280360- -
REGULATIONS	IRRIGATION AND UTILIZATION OF SEWAGE RESIDUES (HYGENIC REGULATIONS).	CA20NLR -7280149- -
REGULATIONS	HEALTH REGULATIONS CONCERNING SEWAGE EFFLUENT FOR IRRIGATION.	CA20NLP -7280560- -
REINIGUNGSEFFEKT	REGULATIONS FOR IRRIGATION AND THE USE OF SEWAGE SLUDGE. *PARASITES*BACTERIA*	CA20NLR -7280550- -
RELATIVE	ZUM REINIGUNGSEFFEKT DER ABWASSERLANDBEHANDLUNG IN BIOLOGISCH-HYGIENISCHER SICHT (BIOLOGICO-HYGIENIC ASPECTS OF PURIFICATION EFFICIENCY IN SEWAGE DISPOSAL BY LAND TREATMENT). *COLIFORM*LEACHING*	CA20NLR -7280170- -
RELATIVE	A NOTE ON THE RELATIVE EFFICIENCY OF SEWAGE, AMMONIUM SULPHATE AND SUPERPHOSPHATE ON THE FERTILITY OF THE SOIL	CA20NLR -7280319- -
RELATIVE	RELATIVE EFFICACY OF SEWAGE AS COMPARED TO AMMONIUM SULPHATE AND SUPERPHOSPHATE ON EQUIVALENT BASIS IN BERSEEM CROP-EGYPTIAN CLOVER.	CA20NLR -7280392- -
RELATIVE	LITERATURE REVIEW ON THE OCCURRENCE AND SURVIVAL OF ENTERIC, PATHOGENIC, AND RELATIVE ORGANISMS IN SOIL, WATER, SEWAGE AND SLUDGES, AND ON VEGETATION. I. BACTERIAL AND VIRUS DISEASES. *COLIFORM*TYPHOSA*TUBERCULOSIS*	CA20NLR -7280480- -
RENOVATION	WASTE WATER RENOVATION BY THE LAND - A LIVING FILTER.	CA20NLR -7280202- -
REOVIRUS	VIRUS STUDIES ON THE WINHOK WASTEWATER RECLAMATION PLANT (SOUTHWEST AFRICA). *ENTEROVIRUS*REOVIRUS*ECHOVIRUS*	CA20NLR -7280294- -
REOVIRUS	VIRUS CONTROL AT THE SANTEE, CALIF. PROJECT. *COLIFORM*STREPTOCOCCI*BACTERIA*SEWAGE*EFFLUENT*RECREATION*REOVIRUS*POLIOVIRUS*ECHOVIRUS*ADENOVIRUS*	CA20NLR -7280070- -
REOVIRUSES	REOVIRUSES IN SEWAGE NEED FURTHER STUDY.	CA20NLR -7280117- -
REOXIDATION	THE EFFECT OF FLOODING AND AERATION ON THE MOBILITY OF CERTAIN TRACE ELEMENTS IN SOILS. *LEAD*COPPER*NICKEL*ZINC*COBALT*MANGANESE*CHROMIUM*OXIDATION*REOXIDATION*VANADIUM*MOLYBDENUM*	CA20NLR -7280134- -
RESIDUAL	EXPERIMENTS ON DIRECT CUMULATIVE AND RESIDUAL EFFECTS OF TOWN REFUSE MANURES AND SEWAGE SLUDGE AT ROTHAMSTED AND OTHER CENTRES, 1940-1947.	CA20NLR -7280130- -
RESIDUES	HYGIENE OF IRRIGATION AND THE USE OF SEWAGE RESIDUES.	CA20NLR -7280063- -
RESIDUES	UTILIZING THE DECOMPOSITION OF ORGANIC RESIDUES TO INCREASE INFILTRATION RATES IN WATER SPREADING.	CA20NLR -7280194- -
RESIDUES	IRRIGATION AND UTILIZATION OF SEWAGE RESIDUES (HYGENIC REGULATIONS).	CA20NLR -7280149- -
RESISTANCE	UTILIZATION OF MICRO GREEN ALGAE FOR TREATMENT OF INDUSTRIAL WASTES OR POLLUTED WATER. III. RESISTANCE OF LIVE CHLOPELLA IN POLLUTED WATER TO TOXICITY OF SOME HEAVY METALS.	CA20NLR -7280375- -
RESPIRATORY	RESPIRATORY RELATIONS OF A SYMBIOTIC ALGAL-BACTERIAL CULTURE FOR WASTE WATER NUTRIENT REMOVAL. *ACTIVATED*SLUDGE*CHLOPELLA*SEWAGE*TREATMENT*	CA20NLR -7280175- -
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RESPONSE	SOIL RESPONSE TO SEWAGE EFFLUENT IRRIGATION.	CA20NLR -7280031- -
RESPONSIBLE	TOXICITY OF CHROMIUM SALTS IN RELATION TO MICRO-ORGANISMS RESPONSIBLE FOR PURIFICATION.	CA20NLR -7280027- -
RETURNING	RETURNING WASTES TO THE LAND, A ROLE FOR AGRICULTURE. *BORON*SODIUM*POTASSIUM*MAGNESIUM*CALCIUM*NITROGEN*PHOSPHORUS*SULFUR*CHLORIDE*LEACHING*EFFLUENT*REVIEW*	CA20NLR -7280038- -
REUSE	FROM POLLUTION PREVENTION TO EFFLUENT REUSE.	CA20NLR -7280390- -
REUSE	IRRIGATION AS A SEWAGE REUSE APPLICATION. *HYGIENE*	CA20NLP -7280434- -

REFUSE	REFUSE OF EFFLUENT IN THE FUTURE WITH AN ANNOTATED BIBLIOGRAPHY. *REVIEW*IRRIGATION*	CA2ONLR -7280433- -
REUSED	TREATMENT REQUIRED FOR SEWAGE REUSED FOR IRRIGATION PURPOSES.	CA2ONLR -7280083- -
REVEGETATION	SEWAGE EFFLUENT AND SLUDGE MAKE POSSIBLE REVEGETATION OF STRIP MINE SPOIL BANKS.	CA2ONLR -7280401- -
REVENUE	SALE OF "RAPIDGROW" GIVES GRAND RAPIDS \$150,000 REVENUE FROM DRIED SLUDGE.	CA2ONLR -7280088- -
REVENUE	SLUDGE GRANULATING PLANT EXPECTED TO INCREASE REVENUE.	CA2ONLR -7280206- -
RHEOLOGY	RHEOLOGY OF ACTIVATED SLUDGE.	CA2ONLR -7280085- -
RHIZOPUS	EFFECT OF FE(III) IN THE DISAPPEARANCE OF CADMIUM-INDUCED PHENOMENA ON RHIZOPUS JAVANICUS. *IRON*CADMIUM*TOXICITY*	CA2ONLR -7280518- -
RIBUTIONS	SCHLUSSEFOLGERUNGEN AUS DEN ERGEBNISSEN DER REITRAGE DES SCHWEPUNKTHEFTES ABWASSERSCHLAMMVERWERTUNG RIBUTIONS TO THE CRUCIAL ISSUE --USE OF SEWAGE SLUDGE).	CA2ONLR -7280178- -
RIDGE	RIDGE AND FURROW LIQUID WASTE DISPOSAL IN NORTHERN LATITUDE. *SPRINKLER*FLOOD*RIDGE-FURROW*NITROGEN*PHOSPHORUS*	CA2ONLR -7280049- -
RIDGE	RIDGE AND FURROW LIQUID WASTE DISPOSAL IN NORTHERN LATITUDE. *SPRINKLER*FLOOD*RIDGE-FURROW*NITROGEN*PHOSPHORUS*	CA2ONLR -7280049- -
RIDGE	LAND DISPOSAL OF ACTIVATED SLUDGE AT SAN MARCOS, TEXAS. *RIDGE-FURROW*	CA2ONLR -7280546- -
RIESELHMDIGKEIT	EIN REITRAG ZUR DEN URSACHEN DER RIESELHMDIGKEIT VON BODEN (CAUSES OF SEWAGE SICKNESS IN SOILS). *IRON*ZINC*COOPER*TOXICITY*CYANIDE*LIME*CYANAMIDE*	CA2ONLR -7280357- -
RINSING	CONCENTRATION OF A DIGESTED SLUDGE BY A RINSING METHOD AND CONDITIONS FOR ITS USE.	CA2ONLR -7280230- -
RIDOLSLIB	HET GERRUIK VAN RIDOLSLIB ALS MESTSTOF (THE USE OF SEWAGE SLUDGE AS FERTILIZER).	CA2ONLR -7280449- -
RIVER	FERTILITY OR POLLUTION. *SOIL*RIVER*CLEANLINESS*SEWAGE*	CA2ONLR -7280166- -
ROLNICZE	CALECROCZNE ROLNICZE WYKORZYSTANIE SCIEKOW (YEAR-ROUND UTILIZATION OF SEWAGE FOR AGRICULTURAL PURPOSES). *POLAN D*FOREST*SLUDGE*	CA2ONLR -7280257- -
ROMANIA	THE USE OF INDUSTRIAL PRODUCTS AS FERTILIZERS WITH TRACE ELEMENTS IN ROMANIA. *CORALT*IRON*MANGANESE*CONTENT*L EAD*ZINC*COPPER*SULFUR*	CA2ONLR -7280051- -
ROOT	ABSORPTION AND TRANSLLOCATION OF MAMMALIAN VIRUSES BY PLANTS. I. SURVIVAL OF MOUSE ENCEPHALOMYELITIS AND POLIOM YELITIS VIRUSES IN SOIL AND PLANT ROOT ENVIRONMENT. *POLIOVIRUS*ENCEPHALOMYELITIS*PH*	CA2ONLR -7280527- -
ROOT	SOME EFFECTS OF NITROGEN SOURCE ON BEANS AND PEPPERS GROWING IN ROOT-KNOT-INFESTED SOIL. *SLUDGE*NEMATODES*	CA2ONLR -7280471- -
ROOTINGS	EFFECT OF SEWAGE IRRIGATION ON THE FERTILITY OF SODDY-PODZOLIC LOAMY-SANDY SOILS. *STRUCTURE*HUMUS*ROOTINGS*	CA2ONLR -7280081- -
ROSLIN	WYNIKI DOŚWIADCZEN Z NAWODNIENIEM ROSLIN UPRAWNYCH MIEJSKIMI WODAMI SCIEKOWYMI SYSTEMEM SMUZYNY I BRUZZOWYMI W KAMIENCU WROCLAWSKIM. (RESULTS OF TRIALS IN KAMIENIEC WROCLAWSKI AND IRRIGATION OF CROPS WITH SEWAGE).	CA2ONLR -7280255- -
ROSLIN	WSTEPNE BADANIA MOZLIWOSCI ZASTOSOWANIA ODPADOW KOPALNIANYCH DWYCH DO UZYZNIANIA GLEE PIASKOWYCH.II. WPLYW ODP ADOW NAWZROST I PLONOWANIE ROSLIN W WARUNKACH POL WYCH (PRELIMINARY INVESTIGATIONS ON THE POSSI	CA2ONLR -7280302- -
ROTHAMSTED	COMPARISONS OF FARMYARD MANURE, SEWAGE SLUDGE, AND OTHER ORGANIC MANURES TESTED ON POTATOES AND A SUCCEEDING C REAL CROP AT ROTHAMSTED.	CA2ONLR -7280131- -
ROTHAMSTED	EXPERIMENTS ON DIRECT CUMULATIVE AND RESIDUAL EFFECTS OF TOWN REFUSE MANURES AND SEWAGE SLUDGE AT ROTHAMSTED A ND OTHER CENTRES, 1940-1947.	CA2ONLR -7280130- -
ROSLIN	FORSTLICHE ABWASSERVERWERTUNG--EIN FAKTOR FUR DIE GANZJAHRIGE ABWASSERLANDBEHANDLUNG (SEWAGE DISPOSAL IN FORES TRY--A FACTOR IN YEAR-ROUND DISPOSAL BY LAND TREATMENT). *POLAND*B.G.D.*IRRIGATION*	CA2ONLR -7280103- -

ROUND	TECHNISCHE FRAGEN DER GANZJAHRIGEN ABWASSERLANDBEHANDLUNG SOWIE GANZJAHRIGE BEWASSERUNG SCHWERER BODEN MIT KOMMUNALEN ABWASSERN (TECHNICAL QUESTIONS RELATED WITH YEAR-ROUND LAND TREATMENT OF SEWAGE EFFLUENT AS WELL AS	CA2ONLR -7280338- -
ROUND	IRRIGATION OF FOREST AREAS IN A YEAR-ROUND SEWAGE DISPOSAL SYSTEM.	CA2ONLR -7280332- -
ROUND	KALORICZNE ROZNICZE WYKORZYSTANIE SCIEPKOW (YEAR-ROUND UTILIZATION OF SEWAGE FOR AGRICULTURAL PURPOSES). *POLAND*FOREST*SLUDGE*	CA2ONLR -7280257- -
RUNOFF	ROLE OF ANIMAL WASTES IN AGRICULTURAL LAND RUNOFF. *WATER*POLLUTION*	CA2ONLR -7280296- -
RYEGRASS	VALUE OF LIQUID DIGESTED SEWAGE SLUDGE .2. EXPERIMENTS ON RYEGRASS IN SOUTHEAST ENGLAND COMPARING SLUDGE WITH FERTILIZERS SUPPLYING EQUIVALENT NITROGEN, PHOSPHORUS AND WATER.	CA2ONLR -7280009- -
SAFE	HOW SAFE IS SLUDGE? *ENTERIC BACILLI*SALMONELLA*SHIGELLA*COLIFORM*	CA2ONLR -7280138- -
SALE	SALE OF "RAPIDGROW" GIVES GRAND RAPIDS \$150,000 REVENUE FROM DRIED SLUDGE.	CA2ONLR -7280088- -
SALE	THE ECONOMIC PREPARATION AND SALE OF DIGESTED SLUDGE AS COMMERCIAL FERTILIZERS.	CA2ONLR -7280368- -
SALINITY	WATER QUALITY FROM THE STANDPOINT OF IRRIGATION. *SODIUM*PORON*BICARBONATE*SALINITY*	CA2ONLR -7280422- -
SALMONELLA	PATHOGEN SURVIVAL IN COMPOSTING MUNICIPAL WASTES. *SALMONELLA*COLIFORM*SHIGELLA*BACTERIA*ASCARIS*ENDAMOEBAS*	CA2ONLR -7280418- -
SALMONELLA	SANITARY ASPECTS OF COMPOSTED SEWAGE SLUDGE AND SAWDUST. *BACTERIA*SALMONELLA*SHIGELLA*COLIFORM*	CA2ONLR -7280483- -
SALMONELLA	SURVIVAL OF SALMONELLA TYPHOSA DURING ANAEROBIC DIGESTION. *COLIFORM*BACTERIA*	CA2ONLR -7280501- -
SALMONELLA	ISOLATION OF ENTERIC VIRUSES AND SALMONELLA FROM SEWAGE. *POLIO*COXSACKIE*ECHO*COLIFORM*ENTEROCOCCI*	CA2ONLR -7280487- -
SALMONELLA	DISPOSAL OF DEWATERED FRESH SEWAGE SLUDGE. COLIFORM*SALMONELLA*BACTERIA*LIME*ALUM*PH*	CA2ONLR -7280458- -
SALMONELLA	CONTAMINATION OF VEGETABLES GROWN IN POLLUTED SOIL: I. BACTERIAL CONTAMINATION. *COLIFORM*SHIGELLA*SALMONELLA*	CA2ONLR -7280349- -
SALMONELLA	INVESTIGATIONS ON THE SPREAD OF BACTERIA CAUSED BY IRRIGATION WITH WASTE WATER. *VEGETABLES*COLIFORM*SALMONELLA*	CA2ONLR -7280358- -
SALMONELLA	BACTERIOLOGICAL STUDY OF IRRIGATED VEGETABLES. *COLIFORM*SALMONELLA*ENTEROCOCCI*	CA2ONLR -7280297- -
SALMONELLA	BODENHYGIENISCHE UNTERSUCHUNGEN IN ABWASSERVERWERTUNGSGEBIETEN (SOIL-HYGIENIC STUDIES IN SEWAGE-DISPOSAL AREAS). *BACTERIA*SALMONELLA*IRRIGATION*	CA2ONLR -7280309- -
SALMONELLA	COMPOSTING DEWATERED SEWAGE SLUDGE. *LIME*FERRIC CHLORIDE*SALMONELLA*ASCARIS*POLIOVIRUS*CANDIDA*VIRUS*YEASTS*	CA2ONLR -7280325- -
SALMONELLA	INFECTION OF VEGETABLES BY APPLICATION OF DOMESTIC SEWAGE AS ARTIFICIAL RAIN. *COLIFORM*SALMONELLA*VEGETABLES*FRUIT*	CA2ONLR -7280306- -
SALMONELLA	SALMONELLA IN IRRIGATION WATER.	CA2ONLR -7280105- -
SALMONELLA	EFFECTIVENESS OF HIGH PH FOR DESTRUCTION OF PATHOGENS IN RAW SLUDGE FILTER CAKE. *BACTERIA*SALMONELLA TYPHOSA*LIME*COLIFORM*	CA2ONLR -7280101- -
SALMONELLA	THE IRRIGATION OF TRUCK CROPS WITH SEWAGE CONTAMINATED WATER. *SALMONELLA*TYPHUS*AMOEBA*ASCARIS*HELMINTHS*	CA2ONLR -7280108- -
SALMONELLA	STUDIES ON THE USE OF SEWAGE EFFLUENT FOR IRRIGATION FOR TRUCK CROPS. *SALMONELLA*ASCARIS*ENDAMOEBAS*COLI*	CA2ONLR -7280109- -
SALMONELLA	QUANTITATIVE ESTIMATION OF SALMONELLA IN IRRIGATION WATER.	CA2ONLR -7280106- -
SALMONELLA	HOW SAFE IS SLUDGE? *ENTERIC BACILLI*SALMONELLA*SHIGELLA*COLIFORM*	CA2ONLR -7280138- -
SALMONELLA	TRANSPORTING WASTES TO BUILD SOILS. *BACTERIA*COLIFORM*SALMONELLA*SHIGELLA*PENNSYLVANIA*	CA2ONLR -7280137- -

SALMONELLA	A SURVEY OF THE PATHOGENIC ORGANISMS AND HELMINTHIC OVA IN COMPOSTS AND SEWAGE SLUDGE. *COLIFORM*BACTERIA*SALMONELLA*VIRUS*	CA2ONLR -7280225- -
SALT	SOME EFFECTS OF HIGH SALT CONCENTRATIONS ON ACTIVATED SLUDGE.	CA2ONLR -7280213- -
SALT	SEQUENTIAL SUBSTRATE REMOVAL BY ACTIVATED SLUDGE AFTER A CHANGE IN SALT CONCENTRATION.	CA2ONLR -7280214- -
SALT	MICROBIAL RELEASE OF SOLUBLE PHOSPHATE IN AN ACTIVATED SLUDGE ENVIRONMENT. *TOXIC*ALCOHOL*SULPHATE*SALT*	CA2ONLR -7280366- -
SALT	SALT ACCUMULATION IN CLAY SLATE BY SEWAGE SLUDGE. *FERTILIZER*SOIL*	CA2ONLR -7280442- -
SALTS	WASSERGUTEUNTERSUCHUNGEN VON INDUSTRIELLEN ABWASSERN FÜR DIE ABWASSERLANDBEHANDLUNG (STUDIES ON WATER QUALITY OF INDUSTRIAL SEWAGE IN THE LIGHT OF SEWAGE DISPOSAL BY LAND TREATMENT. *HUNGARY*SODIUM*SALTS*	CA2ONLR -7280451- -
SALTS	EFFECTS OF USING LAGOONED SEWAGE EFFLUENT ON FARMLAND. *BIRON*TOXICITY*SALTS*	CA2ONLR -7280441- -
SALTS	TRANSPORT OF NUTRIENT SALTS AND TOXIC SUBSTANCES IN THE SOIL-PLANT-ANIMAL ECOSYSTEM. *MERCURY*SEWAGE*FERTILIZER*PHOSPHORUS*NITROGEN*SLUDGE*	CA2ONLR -7280324- -
SALTS	TOXICITY OF CHROMIUM SALTS IN RELATION TO MICRO-ORGANISMS RESPONSIBLE FOR PURIFICATION.	CA2ONLR -7280027- -
SALVAGE	SALVAGE FROM SEWAGE?	CA2ONLR -7280343- -
SALVAGE	SALVAGE OF SEWAGE: FINAL REPORT OF THE JOINT COMMITTEE OF THE SANITARY ENGINEERING DIVISION AND THE IRRIGATION DIVISION. *FERTILIZER*IRRIGATION*	CA2ONLR -7280362- -
SAMPLING	EFFECT OF CHROME PLATING WASTES ON WARSAW, INDIANA, SEWAGE TREATMENT PLANT. *SLUDGE*CHROMIUM*VARIABILITY*SAMPLING*	CA2ONLR -7280118- -
SAND	EFFECTS OF ORGANIC AMENDMENTS ON MANGANESE TOXICITY IN POTATOES AS MEASURED BY SAND AND SOIL CULTURE STUDIES.	CA2ONLR -7280015- -
SAND	SEPTIC TANK EFFLUENT PERCOLATION THROUGH SAND UNDER LABORATORY CONDITIONS.	CA2ONLR -7280197- -
SAND	THE PURIFYING EFFECT OF DIFFERENT METHODS OF SEWAGE-WATER TREATMENT IN INVESTIGATIONS OF BERLIN SAND SOIL. *IRRIGATION*SPRINKLER*FLOOD*FURROW*LEACHING*NITROGEN*NITRATE*AMMONIUM*PHOSPHORUS*POTASSIUM*CALCIUM*SODIUM*	CA2ONLR -7280183- -
SANDBODEN	FÜNFJÄHRIGE ERGEBNISSE EINES VERGLEICHENDEN FELDVERSUCHS MIT ABWASSERFAULSCHLAMMEN, STALLMIST UND MINERALDÜNGUNG AUF SANDBODEN (RESULTS OF A COMPARATIVE FIELD TEST OVER FIVE YEARS WITH DIGESTED SEWAGE SLUDGE, FARM YARD MANURE AND MINERAL FERTILIZER)	CA2ONLR -7280181- -
SANDY	EFFECT OF DIFFERENT PUTREFYING WASTE-WATER SLUDGE APPLICATIONS ON THE WATER-STORAGE CAPACITY AND YIELD OF A SANDY SOIL.	CA2ONLR -7280182- -
SANDY	EFFECT OF SEWAGE IRRIGATION ON THE FERTILITY OF SANDY-PODZOLIC LOAMY-SANDY SOILS. *STRUCTURE*HUMUS*ROOTINGS*	CA2ONLR -7280081- -
SANITARY	THE RESULTS OF SANITARY AND HYGIENIC INVESTIGATIONS OF ASHKHARAD SEWAGE FARMS. *COLIFORM*HELMINTHS*PARASITES*	CA2ONLR -7280193- -
SANITARY	SALVAGE OF SEWAGE: FINAL REPORT OF THE JOINT COMMITTEE OF THE SANITARY ENGINEERING DIVISION AND THE IRRIGATION DIVISION. *FERTILIZER*IRRIGATION*	CA2ONLR -7280362- -
SANITARY	SANITARY ASPECTS OF COMPOSTED SEWAGE SLUDGE AND SAWDUST. *BACTERIA*SALMONELLA*SHIGELLA*COLIFORM*	CA2ONLR -7280483- -
SANTE	VIRUS CONTROL AT THE SANTEE, CALIF. PROJECT. *COLIFORM*STREPTOCOCCI*BACTERIA*SEWAGE*EFFLUENT*RECREATION*RECOVERY*POLIOVIRUS*ECHOVIRUS*ADENOVIRUS*	CA2ONLR -7280070- -
SATISFACTORY	ACTIVATED SLUDGE A SATISFACTORY FERTILIZER.	CA2ONLR -7280565- -
SAWDUST	SANITARY ASPECTS OF COMPOSTED SEWAGE SLUDGE AND SAWDUST. *BACTERIA*SALMONELLA*SHIGELLA*COLIFORM*	CA2ONLR -7280483- -
SCHLAMMEN	MÖGLICHKEITEN DER LANDWIRTSCHAFTLICHEN VERWERTUNG VON AUSGEFAULTEN SCHLAMMEN (POSSIBILITIES FOR AGRICULTURAL UTILIZATION OF FERMENTED SLUDGE).	CA2ONLR -7280219- -

SCHLUSSEFOLGERUNGEN	SCHLUSSEFOLGERUNGEN AUS DEN ERGEBNISSEN DER BEITRAGE DES SCHWERPUNKTHEFTES ABWASSERSCHLAMMVERWERTUNG RIBUTIONS TO THE CRUCIAL ISSUE --USE OF SEWAGE SLUDGE).	CA2ONLR -7280178- -
SCHOOLS	EXPERIMENTS WITH FARMYARD MANURE, SEWAGE SLUDGES AND TOWN REFUSE ON MICROPLOTS AT SCHOOLS 1940-1949.	CA2ONLR -7280132- -
SCHWERER	TECHNISCHE FRAGEN DER GANZJAHRIGE ABWASSERLANDBEHANDLUNG SOWIE GANZJAHRIGE BEWASSERUNG SCHWERER BODEN MIT KOM MUNALEM ABWASSER (TECHNICAL QUESTIONS RELATED WITH YEAR-ROUND LAND TREATMENT OF SEWAGE EFFLUENT AS WELL A	CA2ONLR -7280338- -
SCHWERMETALLHALTIGEM	DIE NACHWIRKUNG VON SCHWERMETALLHALTIGEM ABWASSER-KLAPSCHLAMM IN EINEM FELDERVERSUCH (THE AFTER-EFFECT OF THE TRE	CA2ONLR -7280336- -
SCHWERPUNKTHEFTES	SCHLUSSEFOLGERUNGEN AUS DEN ERGEBNISSEN DER BEITRAGE DES SCHWERPUNKTHEFTES ABWASSERSCHLAMMVERWERTUNG RIBUTIONS TO THE CRUCIAL ISSUE --USE OF SEWAGE SLUDGE).	CA2ONLR -7280178- -
SCIEKOW	CALOROCZNE ROZNICZE WYKORZYSTANIE SCIEKOW (YEAR-ROUND UTILIZATION OF SEWAGE FOR AGRICULTURAL PURPOSES). *POLAN	CA2ONLR -7280257- -
SCIEKOWYMI	WYNIKI DOSSWIAOZEN Z NAWODNIENIEM POSLIN UPRAWNYCH WIEJSKIMI WOCAMI SCIEKOWYMI SYSTEMEM SMUZYHM I BRUZYDOWYM W KAMIENIU WROCLAWSKIM. (RESULTS OF TRIALS IN KAMIENIEC WROCLAWSKI AND IPIGATION OF CROPS WITH SEWAGE).	CA2ONLR -7280255- -
SEASON	NUTRIENT REMOVAL FROM ENRICHED WASTE EFFLUENT BY THE HYDROPONIC CULTURE OF COOL SEASON GRASSES.	CA2ONLR -7280472- -
SEASONAL	BACTERIAL CONTAMINATION OF SOIL AND VEGETABLES ON FIELDS AFTER SEASONAL SEWAGE IPIGATION IN THE SOUTHERN UKRA	CA2ONLR -7280059- -
SECALE	LAND DISPOSAL OF SEWAGE SLUDGE: II. THE EFFECT ON SOIL PH, MN, ZN, AND GROWTH AND CHEMICAL COMPOSITION OF RYE (SECALE CERFALE L.).	CA2ONLR -7280050- -
SEDIMENTS	CHEMICAL COMPOSITION OF POTATOES GROWN ON FIELDS FERTILIZED WITH SEWAGE SEDIMENTS.	CA2ONLR -7280205- -
SEED	EFFECT OF ALUMINUM AND MANGANESE ON SEED GERMINATION AND SEEDLING GROWTH OF DIFFERENT TYPES OF TREES.	CA2ONLR -7280301- -
SEEDLING	EFFECT OF ALUMINUM AND MANGANESE ON SEED GERMINATION AND SEEDLING GROWTH OF DIFFERENT TYPES OF TREES.	CA2ONLR -7280301- -
SELLS	HOW ONE CITY SELLS ITS SLUDGE. *PRICES*	CA2ONLR -7280187- -
SEPTIC	SEPTIC TANK EFFLUENT PERCOLATION THROUGH SAND UNDER LABORATORY CONDITIONS.	CA2ONLR -7280197- -
SEQUENTIAL	SEQUENTIAL SUBSTRATE REMOVAL BY ACTIVATED SLUDGE AFTER A CHANGE IN SALT CONCENTRATION.	CA2ONLR -7280214- -
SHIGELIA	HOW SAFE IS SLUDGE? *ENTERIC BACILLI*SALMONELLA*SHIGELIA*COLIFORM*	CA2ONLR -7280138- -
SHIGELIA	TRANSPORTING WASTES TO BUILD SOILS. *BACTERIA*COLIFORM*SALMONELLA*SHIGELLA*PENNSYLVANIA*	CA2ONLR -7280137- -
SHIGELLA	THE SURVIVAL OF SHIGELLA IN SEWAGE. I. AN EFFECT OF SEWAGE AND FECAL SUSPENSIONS ON SHIGELLA FLEXNERI. *BACTER	CA2ONLR -7280510- -
SHIGELLA	THE SURVIVAL OF SHIGELLA IN SEWAGE. I. AN EFFECT OF SEWAGE AND FECAL SUSPENSIONS ON SHIGELLA FLEXNERI. *BACTER	CA2ONLR -7280510- -
SHIGELLA	PATHOGEN SURVIVAL IN COMPOSTING MUNICIPAL WASTES. *SALMONELLA*COLIFORM*SHIGELLA*BACTERIA*ASCARIS*ENDAMJERA*	CA2ONLR -7280418- -
SHIGELLA	SANITARY ASPECTS OF COMPOSTED SEWAGE SLUDGE AND SAWDUST. *BACTERIA*SALMONELLA*SHIGELLA*COLIFORM*	CA2ONLR -7280483- -
SHIGELLA	CONTAMINATION OF VEGETABLES GROWN IN POLLUTED SOIL: I. BACTERIAL CONTAMINATION. *COLIFORM*SHIGELLA*SALMONELLA*	CA2ONLR -7280349- -
SIGHT	ZUM REINIGUNGSEFFEKT DER ABWASSERLANDBEHANDLUNG IN BIOLOGISCH-HYGIENISCHER SICHT (BIOLOGICO-HYGIENIC ASPECTS O	CA2ONLR -7280170- -
SICKNESS	EIN BEITRAG ZUR DEN URSACHEN DER KIESELMUGIGKEIT VON BODEN (CAUSES OF SEWAGE SICKNESS IN SOILS). *IRON*ZINC*CO	CA2ONLR -7280357- -

SILVER	TRACE ELEMENTS IN SEWAGE SLUDGE. *ZINC*CHROMIUM*COPPER*NICKEL*TIN*SILVER*RHODIUM*LEAD*MANGANESE*VANADIUM*TOXICITY*	CA2CNLR -7280208- -
SILVER	SPECTROGRAPHIC ANALYSIS OF AIR-DRIED SEWAGE SLUDGE. *ALUMINIUM*CALCIUM*IRON*MAGNESIUM*TITANIUM*BARIUM*COPPER*MANGANESE*SODIUM*NICKEL*TIN*VANADIUM*ZINC*SILVER*ZIRCONIUM*BORON*BERYLLIUM*CHROMIUM*COBALT*GALLIUM*MOLYBDENUM	CA2ONLR -7280469- -
SIMULATION	A STUDY OF WASTEWATER IRRIGATION THROUGH COMPUTER SIMULATION.	CA2ONLR -7280099- -
SLATE	SALT ACCUMULATION IN CLAY SLATE BY SEWAGE SLUDGE. *FERTILIZER*SOIL*	CA2ONLR -7280442- -
SLUDGE	REDUCTION OF DIGESTED SLUDGE VOLUME BY CONTROLLED RECIRCULATION.	CA2ONLR -7280462- -
SLUDGE	HET GEBRUIK VAN RIJNDESLIB ALS MESTSTOF (THE USE OF SEWAGE SLUDGE AS FERTILIZER).	CA2ONLR -7280449- -
SLUDGE	COMPOSITION AND FERTILIZING VALUE OF DIGESTED SEWAGE SLUDGE.	CA2ONLR -7280446- -
SLUDGE	SOME EFFECTS OF NITROGEN SOURCE ON BEANS AND PEPPERS GROWING IN ROOT-KNOT-INFESTED SOIL. *SLUDGE*NEMATODES*	CA2ONLR -7280471- -
SODIUM	CHEMICAL CHANGES IN SEWAGE DURING RECLAMATION BY SPREADING. *AMMONIUM*LEACHING*NITRATE*CALCIUM*MAGNESIUM*PHOSPHORUS*SODIUM*SULFATE*CHLORIDE*BICARBONATE*	CA2ONLR -7280145- -
SODIUM	STUDIES OF WASTE WATER RECLAMATION AND UTILIZATION. *REVIEW*CALCIUM*MAGNESIUM*SODIUM*POTASSIUM*AMMONIUM*SULFUR*NITRATE*BORON*CONDUCTIVITY*CALIFORNIA*	CA2ONLR -7280024- -
SODIUM	RETURNING WASTES TO THE LAND, A ROLE FOR AGRICULTURE. *BORON*SODIUM*POTASSIUM*MAGNESIUM*CALCIUM*NITROGEN*PHOSPHORUS*SULFUR*CHLORIDE*LEACHING*EFFLUENT*REVIEW*	CA2ONLR -7280038- -
SODIUM	SPRAY DISPOSAL OF DOMESTIC WASTES. *SODIUM*PASTURE*WOODLANDS*	CA2ONLR -7280016- -
SODIUM	AN INVESTIGATION OF SEWAGE SPREADING ON FIVE CALIFORNIA SOILS. *INFILTRATION*COLIFORM*CALCIUM*MAGNESIUM*SODIUM*POTASSIUM*IRRIGATION*	CA2ONLR -7280286- -
SODIUM	THE EFFECTS OF TRACE ELEMENTS ON THE EXHAUSTION OF SEWAGE-IRRIGATED LAND. *FRANCE*GERMANY*COPPER*ZINC*TOXICITY*MANGANESE*SODIUM*COBALT*MOLYBDENUM*BORON*	CA2ONLR -7280352- -
SODIUM	THE SOLUBILITY OF HEAVY METAL HYDROXIDES IN WATER, SEWAGE AND SEWAGE SLUDGE. III. THE SOLUBILITY OF HEAVY METALS PRESENT IN DIGESTED SEWAGE SLUDGE *NICKEL*IRON*ZINC*COPPER*SODIUM*POTASSIUM*CALCIUM*	CA2ONLR -7280192- -
SODIUM	SEWAGE EFFLUENT DISPOSAL THROUGH CROP IRRIGATION. *COLIFORM*LEACHING*NITROGEN*PHOSPHORUS*MAGNESIUM*CALCIUM*SODIUM*POTASSIUM*	CA2ONLR -7280161- -
SODIUM	THE PURIFYING EFFECT OF DIFFERENT METHODS OF SEWAGE-WATER TREATMENT IN INVESTIGATIONS OF BERLIN SAND SOIL. *IRRIGATION*SPRINKLER*FLOOD*FURROW*LEACHING*NITROGEN*NITRATE*AMMONIUM*PHOSPHORUS*POTASSIUM*CALCIUM*SODIUM*	CA2ONLR -7280183- -
SODIUM	SPECTROGRAPHIC ANALYSIS OF AIR-DRIED SEWAGE SLUDGE. *ALUMINIUM*CALCIUM*IRON*MAGNESIUM*TITANIUM*BARIUM*COPPER*MANGANESE*SODIUM*NICKEL*TIN*VANADIUM*ZINC*SILVER*ZIRCONIUM*BORON*BERYLLIUM*CHROMIUM*COBALT*GALLIUM*MOLYBDENUM	CA2ONLR -7280469- -
SODIUM	WASSERGUTEUNTERSUCHUNGEN VON INDUSTRIELLEN ABWASSERN FÜR DIE ABWASSERLANDBEHANDLUNG (STUDIES ON WATER QUALITY OF INDUSTRIAL SEWAGE IN THE LIGHT OF SEWAGE DISPOSAL BY LAND TREATMENT. *HUNGARY*SODIUM*SALTS*	CA2ONLR -7280451- -
SODIUM	DISPOSAL OF MUNICIPAL WASTE WATER THROUGH FOREST IRRIGATION. *PENNSYLVANIA*NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*MAGNESIUM*MANGANESE*IRON*COPPER*BORON*ALUMINIUM*ZINC*SODIUM*SEWAGE*	CA2ONLR -7280502- -
SODIUM	WATER QUALITY FROM THE STANDPOINT OF IRRIGATION. *SODIUM*BORON*BICARBONATE*SALINITY*	CA2ONLR -7280422- -
SODIUM	FERTILIZER AND FERTILITY VALUE OF SEWAGE SLUDGE. *NITROGEN*PHOSPHORUS*POTASSIUM*ALUMINIUM*CALCIUM*MAGNESIUM*MANGANESE*SODIUM*TITANIUM*COPPER*BARIUM*ZINC*LEAD*NICKEL*COBALT*SULFUR*CHROMIUM*ARSENIC*BORON*IODINE*GREASE*F	CA2ONLR -7280522- -
SOIL	ABSORPTION AND TRANSLLOCATION OF MAMMALIAN VIRUSES BY PLANTS. I. SURVIVAL OF MOUSE ENCEPHALOMYELITIS AND POLIO MYELITIS VIRUSES IN SOIL AND PLANT ROOT ENVIRONMENT. *POLIOVIRUS*ENCEPHALOMYELITIS*PH*	CA2ONLR -7280527- -

SOIL	SOIL-HYGIENIC STUDIES IN SEWAGE DISPOSAL AREAS.	CA20NLR -7280530- -
SOIL	MICRONUTRIENT SOIL TESTS. *BORON*COPPER*IRON*MANGANESE*MOLYBDENUM*ZINC*	CA20NLR -7280512- -
SOIL	DEGRADATION OF WASTEWATER ORGANICS IN SOIL.	CA20NLR -7280517- -
SOIL	THE EFFECT OF SEWAGE SLUDGE ON THE FERTILITY OF SOIL. PART 1. CHANGES INORGANIC C, C/N, PH, AND DIFFERENT FORMS OF N AND P.	CA20NLR -7280391- -
SOIL	EFFECT OF IRRIGATION WITH WASTEWATER ON THE WATER ECONOMY OF THE SOIL.	CA20NLR -7280432- -
SOIL	CHANGE IN SOIL PROPERTIES AS AFFECTED BY IRRIGATION WITH WASTE WATERS.	CA20NLR -7280388- -
SOIL	EFFECT OF ORGANIC MATTER CONTENT OF THE SOIL ON INFILTRATION.	CA20NLR -7280413- -
SOIL	LITERATURE REVIEW ON THE OCCURRENCE AND SURVIVAL OF ENTERIC, PATHOGENIC, AND RELATED ORGANISMS IN SOIL, WATER, SEWAGE, AND SLUDGES, AND ON VEGETATION. II. ANIMAL PARASITES. *ENDAMOEBA*HEL4INTHS*ASCARIS*	CA20NLR -7280479- -
SOIL	INCUBATION STUDY OF NITROGEN MINERALISATION IN SOIL TREATED WITH DRIED SEWAGE SLUDGE.	CA20NLP -7280503- -
SOIL	EFFECTS OF TREATMENT PLANT EFFLUENT ON SOIL PROPERTIES.	CA20NLR -7280495- -
SOIL	INFLUENCE OF DOMESTIC WASTEWATER PRETREATMENT ON SOIL CLOGGING.	CA20NLR -7280494- -
SOIL	LITERATURE REVIEW ON THE OCCURRENCE AND SURVIVAL OF ENTERIC, PATHOGENIC, AND RELATIVE ORGANISMS IN SOIL, WATER, SEWAGE AND SLUDGES, AND ON VEGETATION. I. BACTERIAL AND VIRUS DISEASES. *COLIFORM*TYPHOSA*TUBERCULOSIS*	CA20NLR -7280480- -
SOIL	SOME EFFECTS OF NITROGEN SOURCE ON BEANS AND PEPPERS GROWING IN ROOT-KNOT-INFESTED SOIL. *SLUDGE*NEMATODES*	CA20NLR -7280471- -
SOIL	SOIL IMPROVEMENT WITH PEAT, DECOMPOSED REFUSE, AND SEWAGE SLUDGE. *REVIEW*	CA20NLP -7280459- -
SOIL	SALT ACCUMULATION IN CLAY SLATE BY SEWAGE SLUDGE. *FERTILIZER*SOIL*	CA20NLR -7280442- -
SOIL	DO'S AND DON'T'S OF USING SLUDGE FOR SOIL CONDITIONING AND FERTILIZING.	CA20NLR -7280454- -
SOIL	SURVIVAL OF SELECTED ENTERIC ORGANISMS IN VARIOUS TYPES OF SOIL.	CA20NLR -7280452- -
SOIL	SOIL SYSTEMS FOR LIQUID WASTE TREATMENT AND DISPOSAL: ENVIRONMENTAL FACTORS.	CA20NLR -7280473- -
SOIL	SOIL CHEMICAL CHANGES AND INFILTRATION RATE REDUCTION UNDER SEWAGE SPREADING.	CA20NLP -7280470- -
SOIL	EFFECT OF DIFFERENT PUTREFYING WASTE-WATER SLUDGE APPLICATIONS ON THE WATER-STOPAGE CAPACITY AND YIELD OF A SANDY SOIL.	CA20NLR -7280182- -
SOIL	THE PUTREFYING EFFECT OF DIFFERENT METHODS OF SEWAGE-WATER TREATMENT IN INVESTIGATIONS OF BERLIN SAND SOIL. *IRRIGATION*SPRINKLER*FLOOD*FURROW*LEACHING*NITROGEN*NITRATE*AMMONIUM*PHOSPHORUS*POTASSIUM*CALCIUM*SODIUM*	CA20NLR -7280183- -
SOIL	THE EFFECT OF LIQUID SLUDGE ON GROWTH AND CHEMICAL COMPOSITION OF COASTAL BERMUDAGRASS AND RYE AND ON SOIL PROPERTIES, AMMONIA VOLATILIZATION, AND NITRATE LEACHING.	CA20NLR -7280171- -
SOIL	FERTILITY OF POLLUTION. *SOIL*RIVER*CLEANLINESS*SEWAGE*	CA20NLR -7280166- -
SOIL	NORTHWESTERN UNIVERSITY SOIL ENRICHMENT RECLAMATION PROJECT. *LEACHING*NITRATE*NITRITE*NITROGEN*	CA20NLR -7280159- -
SOIL	DECOMPOSITION OF THIOUREAS BY A PENICILLIUM SPECIES AND SOIL AND SEWAGE-SLUDGE MICROFLORA.	CA20NLR -7280252- -
SOIL	CHANGES IN AGROCHEMICAL AND BIOLOGICAL SOIL PROPERTIES WHEN IRRIGATION WITH SEWAGE IS USED.	CA20NLP -7280232- -
SOIL	BIOLOGY OF SOIL-BORNE VIRUSES.	CA20NLR -7280256- -
SOIL	GOAT PRODUCTION AND SOIL ANALYSIS AS AFFECTED BY APPLICATIONS OF CATTLE FEEDLOT WASTE.	CA20NLP -7280229- -

SOIL	METAL CONTAMINATION OF SOIL IN WORM MARKET-GARDEN EXPERIMENT RESULTING FROM APPLICATION OF SEWAGE SLUDGE. *C BRALT*CHROMIUM*COPPER*MOLYBDENUM*NICKEL*LEAD*ZINC*	CA20NLP -7280246- -
SOIL	THE CASE FOR SLUDGE AS A SOIL IMPROVER. *TOXIC*	CA20NLP -7280242- -
SOIL	INCUBATION STUDY OF NITRIFICATION OF DIGESTED SEWAGE SLUDGE ADDED TO SOIL. *COPPER*ZINC*MANGANESE*CHROMIUM*AMM ONIUM*	CA20NLP -7280267- -
SOIL	DIGESTED SEWAGE SLUDGE FOR SOIL IMPROVEMENT.	CA20NLP -7280240- -
SOIL	TRACE ELEMENT REMOVAL FROM SEWAGE EFFLUENT BY SOIL FILTRATION. *IRON*MANGANESE*NICKEL*COPPER*ZINC*LEAD*CADMIUM *LEACHING*	CA20NLP -7280247- -
SOIL	WATER AND NUTRIENT BALANCE OF A PASTURE ON A LIGHT SOIL IRRIGATED WITH MUNICIPAL SEWAGE, BASED ON LYSIMETRIC E XPERIMENTS.	CA20NLP -7280237- -
SOIL	REFUSE-SEWAGE COMPOST AS SOIL AMENDMENT AND FERTILIZER.	CA20NLP -7280378- -
SOIL	EFFECT OF SEWAGE IRRIGATION OF SOIL PROFILES.	CA20NLP -7280373- -
SOIL	CONTAMINATION OF SOIL BY EGGS OF HELMINTHS IN FIELDS OF THE CITY OF KEDAINIAI IRRIGATED WITH WASTE WATERS.	CA20NLP -7280363- -
SOIL	FACTORS INFLUENCING THE DESIGN AND OPERATION OF SOIL SYSTEMS FOR WASTE TREATMENT. *LEACHING*NITRATE*NITRITE*AM MONIUM*ARS*COLIFORM*BACTERIA*COB*COB*	CA20NLP -7280356- -
SOIL	HOW CITIES DISTRIBUTE SLUDGE AS A SOIL CONDITIONER.	CA20NLP -7280289- -
SOIL	USE OF SOIL LYSIMETERS IN WASTE WATER RECLAMATION STUDIES. *SEWAGE*	CA20NLP -7280287- -
SOIL	CONTAMINATION OF VEGETABLES GROWN IN POLLUTED SOIL. II. FIELD AND LABORATORY STUDIES ON ENDAMOEBIA CYSTS. *SEWA GE*	CA20NLP -7280348- -
SOIL	A NOTE ON THE RELATIVE EFFICIENCY OF SEWAGE, AMMONIUM SULPHATE AND SUPERPHOSPHATE ON THE FERTILITY OF THE SOIL	CA20NLP -7280319- -
SOIL	CONTAMINATION OF VEGETABLES GROWN IN POLLUTED SOIL. V. HELMINTHIC DECONTAMINATION. *ASCARIS*SEWAGE*	CA20NLP -7280345- -
SOIL	CONTAMINATION OF VEGETABLES GROWN IN POLLUTED SOIL. IV. BACTERIAL DECONTAMINATION. *COLIFORM*SEWAGE*	CA20NLP -7280346- -
SOIL	TRANSPORT OF NUTRIENT SALTS AND TOXIC SUBSTANCES IN THE SOIL-PLANT-ANIMAL ECOSYSTEM. *MERCURY*SEWAGE*FERTILIZE R*PHOSPHORUS*NITROGEN*SLUDGE*	CA20NLP -7280324- -
SOIL	CONTAMINATION OF VEGETABLES GROWN IN POLLUTED SOIL. III. FIELD STUDIES ON ASCARIS EGGS. *HELMINTHS*SEWAGE*	CA20NLP -7280347- -
SOIL	BODENHYGIENISCHE UNTERSUCHUNGEN IN ABWASSERVERWERTUNGSBEREICHEN (SOIL-HYGIENIC STUDIES IN SEWAGE-DISPOSAL AREAS). *BACTERIA*SALMONELLA*IRRIGATION*	CA20NLP -7280309- -
SOIL	SOIL RESPONSE TO SEWAGE EFFLUENT IRRIGATION.	CA20NLP -7280031- -
SOIL	SOME CHANGES IN POLLUTED WATER DURING PERCOLATION THROUGH SOIL. *COPPER*NICKEL*CHROMIUM*MANGANESE*ZINC*LEAD*IR ON*AMMONIUM*	CA20NLP -7280034- -
SOIL	EFFECT OF ADDITION OF COPPER, MANGANESE, ZINC, AND CHROMIUM COMPOUNDS ON AMMONIFICATION AND NITRIFICATION DURI NG INCUBATION OF SOIL. *TOXIC*IRRIGATION*	CA20NLP -7280037- -
SOIL	EFFECTS OF ORGANIC AMENDMENTS ON MANGANESE TOXICITY IN POTATOES AS MEASURED BY SAND AND SOIL CULTURE STUDIES.	CA20NLP -7280015- -
SOIL	EFFECT OF DRIED SEWAGE SLUDGE ON NITRIFICATION IN SOIL. *NITROGEN*NITRIFICATION*	CA20NLP -7280128- -
SOIL	CHEMICAL INTERACTIONS OF WASTEWATER IN A SOIL ENVIRONMENT. *LEACHING*	CA20NLP -7280147- -

SOIL	BACTERIAL CONTAMINATION OF SOIL AND VEGETABLES IN FIELDS AFTER SEASONAL SEWAGE IRRIGATION IN THE SOUTHERN UKRAINE. *COLIFORM*	CA20NLR -7280059- -
SOIL	THE TRANSPORT OF WATER-BORNE VIRUSES IN SOIL.	CA20NLR -7280054- -
SOIL	SEWAGE SLUDGE FOR SOIL IMPROVEMENT. *REVIEW*NITRIFICATION*FERTILIZER*ACTIVATED*DIGESTED*NITROGEN*PHOSPHORUS*POTASSIUM*	CA20NLR -7280071- -
SOIL	THE EFFECT OF SPRINKLING IRRIGATION WITH SEWAGE ON THE PRODUCTIVITY OF MEADOWS AND SOME BIOCHEMICAL PHENOMENA IN THE SOIL.	CA20NLR -7280043- -
SOIL	DISPLACEMENT OF IRON IN SOIL IRRIGATED WITH SEWAGE. *DRAINAGE*OXIDATION*REDUCTION*	CA20NLR -7280044- -
SOIL	SEWAGE SLUDGE AS SOIL CONDITIONER.	CA20NLR -7280066- -
SOIL	CHEMICAL CHANGES IN SOIL IRRIGATED WITH MUNICIPAL SEWAGE.	CA20NLR -7280042- -
SOIL	SEWAGE SLUDGE AS SOIL CONDITIONER.	CA20NLR -7280064- -
SOIL	LAND DISPOSAL OF SEWAGE SLUDGE: II. THE EFFECT ON SOIL PH, MN, ZN, AND GROWTH AND CHEMICAL COMPOSITION OF RYE (SECALE CEREALE L.).	CA20NLR -7280050- -
SOIL	EFFECT OF FILTER-PRESS CAKE ON CROP YIELDS AND SOIL PROPERTIES.	CA20NLR -7280079- -
SOIL	LAND DISPOSAL OF SEWAGE SLUDGE: III. THE EFFECT ON SOIL NITRATE.	CA20NLR -7280116- -
SOIL	EFFECT OF DIFFERENT LEVELS OF COPPER AND ZINC ADDED AS ADSORBED CATIONS OF SOIL.	CA20NLR -7280566- -
SOILS	SEWAGE IRRIGATION REGIME ON DRAINED PLOTS WITH LOAMY SOILS.	CA20NLR -7280082- -
SOILS	EFFECT OF SEWAGE IRRIGATION ON THE FERTILITY OF SODDY-PODZOLIC LOAMY-SANDY SOILS. *STRUCTURE*HUMUS*ROOTINGS*	CA20NLR -7280081- -
SOILS	TRANSPORTING WASTES TO BUILD SOILS. *BACTERIA*COLIFORM*SALMONELLA*SHIGELLA*PENNSYLVANIA*	CA20NLR -7280137- -
SOILS	THE EFFECT OF SEWAGE SLUDGE ON SOILS AND MICRO-ORGANISMS. *AZOTOBACTER*NITRATE*AMMONIUM*COLIFORM*BACTERIA*	CA20NLR -7280143- -
SOILS	THE EFFECT OF FLOODING AND AERATION ON THE MOBILITY OF CERTAIN TRACE ELEMENTS IN SOILS. *LEAD*COPPER*NICKEL*ZINC*COBALT*MANGANESE*CHROMIUM*OXIDATION*REOXIDATION*VANADIUM*MOLYBDENUM*	CA20NLR -7280134- -
SOILS	CHANGES IN THE ZINC DISTRIBUTION WITHIN THREE SOILS AND ZINC UPTAKE BY FIELD BEANS CAUSED BY DECOMPOSING ORGANIC MATTER.	CA20NLR -7280013- -
SOILS	FUNGI IN SOILS OVER WHICH DIGESTED SEWAGE SLUDGE HAS BEEN SPREAD.	CA20NLR -7280004- -
SOILS	AN INVESTIGATION OF SEWAGE SPREADING ON FIVE CALIFORNIA SOILS. *INFILTRATION*COLIFORM*CALCIUM*MAGNESIUM*SODIUM*POTASSIUM*IRRIGATION*	CA20NLR -7280286- -
SOILS	FIN BEITRAG ZUR DEN URSACHEN DER KIESELMUDIGKEIT VON BODEN (CAUSES OF SEWAGE SICKNESS IN SOILS). *IRON*ZINC*COBALT*TOXICITY*CYANIDE*LIME*CYANAMIDE*	CA20NLR -7280357- -
SOILS	DEGRADATION OF ABS AND OTHER ORGANICS IN UNSATURATED SOILS.	CA20NLR -7280355- -
SOILS	ABS ADSORPTION ON SOILS.	CA20NLR -7280376- -
SOILS	THE EFFECT OF SEWAGE SLUDGE ON ION ACTIVITY IN SOILS. *CALCIUM*MAGNESIUM*POTASSIUM*	CA20NLR -7280372- -
SOILS	EFFECT OF IRRIGATION BY SEWAGE FROM VOLGA CHEMISTRY ENTERPRISES ON AGROMELIORATIVE INDEXES OF FINE-LOAMY LIGHT-CHESNUT SOILS.	CA20NLR -7280258- -
SOILS	FUNGI IN SOILS OVER WHICH DIGESTED SEWAGE SLUDGE HAS BEEN SPREAD.	CA20NLR -7280265- -

SOILS	THE MOVEMENT OF DISEASE PRODUCING ORGANISMS THROUGH SOILS.	CA20NLR -7280264- -
SOILS	POSSIBILITIES OF INCREASING THE FERTILITY OF LIGHT SOILS BY IRRIGATION WITH SEWAGE.	CA20NLR -7280254- -
SOILS	THE FATE OF ABS IN SOILS AND PLANTS.	CA20NLR -7280215- -
SOILS	TEST OF SEWAGE SLUDGE FOR FERTILITY AND TOXICITY IN SOILS. *NITROGEN*PHOSPHORUS*POTASSIUM*SULFUR*	CA20NLR -7280445- -
SOILS	THE TRACE-ELEMENT CONTENT OF SOILS.	CA20NLR -7280474- -
SOILS	ORGANIC MATTER REACTIONS INVOLVING MICRONUTRIENTS IN SOILS.	CA20NLP -7280488- -
SOILS	ABSORPTION REACTIONS OF MICRONUTRIENTS IN SOILS. *COPPER*ZINC*BORON*MOLYBDENUM*IRON*MANGANESE*	CA20NLR -7280492- -
SOILS	THE EFFECT OF COMPOSTED TOWN REFUSE AND ACTIVATED SLUDGE ON PLANTS AND SOILS.	CA20NLR -7280395- -
SOILS	EFFECT OF SEWAGE IRRIGATION ON SOILS. *STRUCTURE*CHLORIDE*BORON	CA20NLR -7280389- -
SOILS	CHANGES IN WOODLAND VEGETATION AND SOILS AFTER SPRAYING LARGE AMOUNTS OF WASTE WATER.	CA20NLR -7280534- -
SOILS	HEAVY METAL CONTAMINATION OF SOILS. *SEWAGE*SLUDGE*COPPER*ZINC*MANGANESE*NICKEL*ALUMINUM*MERCURY*CADMIUM*LEAD* REVIEW*	CA20NLR -7280535- -
SOLID	PLANT EFFLUENT SOLID FOR IRRIGATION WATER. *SLUDGE*	CA20NLR -7280111- -
SOLID	ANALYSIS OF SOLID WASTE COMPOSITION; STATISTICAL TECHNIQUE TO DETERMINE SAMPLE SIZE.	CA20NLR -7280020- -
SOLID	SOLID WASTE/DISEASE RELATIONSHIPS, A LITERATURE SURVEY. *BACTERIA*PROTOZOA*VIRUS*FUNGUS*HELMINTHS*	CA20NLP -7280189- -
SOLIDS	LAND RECLAMATION-A COMPLETE SOLUTION OF SLUDGE AND SOLIDS DISPOSAL PROBLEM. *CHICAGO*	CA20NLR -7280096- -
SOLIDS	PUTTING SEWAGE SOLIDS BACK TO WORK.	CA20NLR -7280505- -
SOLUBILITY	THE SOLUBILITY OF HEAVY METAL HYDROXIDES IN WATER, SEWAGE AND SEWAGE SLUDGE. III. THE SOLUBILITY OF HEAVY METALS PRESENT IN DIGESTED SEWAGE SLUDGE *NICKEL*IRON*ZINC*COPPER*SODIUM*POTASSIUM*CALCIUM*	CA20NLR -7280192- -
SOLUBILITY	THE SOLUBILITY OF HEAVY METAL HYDROXIDES IN WATER, SEWAGE AND SEWAGE SLUDGE. I. THE SOLUBILITY OF SOME METAL HYDROXIDES. *COPPER*NICKEL*CHROMIUM*CADMIUM*	CA20NLR -7280191- -
SOLUBILITY	THE SOLUBILITY OF HEAVY METAL HYDROXIDES IN WATER, SEWAGE AND SEWAGE SLUDGE. II. THE PRECIPITATION OF METALS BY SEWAGE. *COPPER*NICKEL*ZINC*IRON*	CA20NLR -7280190- -
SOLUBILITY	THE SOLUBILITY OF HEAVY METAL HYDROXIDES IN WATER, SEWAGE AND SEWAGE SLUDGE. I. THE SOLUBILITY OF SOME METAL HYDROXIDES. *COPPER*NICKEL*CHROMIUM*CADMIUM*	CA20NLR -7280191- -
SOLUBILITY	THE SOLUBILITY OF HEAVY METAL HYDROXIDES IN WATER, SEWAGE AND SEWAGE SLUDGE. III. THE SOLUBILITY OF HEAVY METALS PRESENT IN DIGESTED SEWAGE SLUDGE *NICKEL*IRON*ZINC*COPPER*SODIUM*POTASSIUM*CALCIUM*	CA20NLR -7280192- -
SOLUBLE	MICROBIAL RELEASE OF SOLUBLE PHOSPHATE IN AN ACTIVATED SLUDGE ENVIRONMENT. *TOXIC*ALCOHOL*SULPHATE*SALT*	CA20NLR -7280366- -
SOLUTION	TASKS AND PROBLEMS CONCERNING SEWAGE DISPOSAL BY LAND TREATMENT INTERNATIONALLY AND THEIR SOLUTION UNDER CONDITIONS OF MODERN SOCIALIST AGRICULTURE	CA20NLP -7280333- -
SOLUTION	LAND RECLAMATION-A COMPLETE SOLUTION OF SLUDGE AND SOLIDS DISPOSAL PROBLEM. *CHICAGO*	CA20NLP -7280396- -
SOUTHWEST	VIRUS STUDIES ON THE WINHOK WASTEWATER RECLAMATION PLANT (SOUTHWEST AFRICA). *ENTEROVIRUS*REOVIRUS*ECHOVIRUS*COLIFORM*BACTERIA*	CA20NLR -7280294- -
SOVIET	ZUR ENTWICKLUNG DER GANZJAHRIGEN ABWASSERLANDBEHANDLUNG IN DER SOWJETUNION IN THE SOVIET UNION).	CA20NLR -7280255- -
SOVIET	OBSERVATIONS ON SEWAGE FARMING IN EUROPE. *GERMANY*BRITAIN*FRANCE*SOVIET*	CA20NLP -7280311- -

SOVIET	HYGIENIC EVALUATION OF THE AGRICULTURAL UTILIZATION OF SEWAGE. *HYGIENE*U.S.A.*GERMANY*BRITAIN*SOVIET*FERTILIZERS*	CA20NLR -7280263- -
SOVIET	TECHNISCHE FRAGEN DER GANZJAHRIGEN ABWASSERLANDBEHANDLUNG SOWIE GANZJAHRIGE BEWASSERUNG SCHWERER BODEN MIT KOMMUNALEN ABWASSERN (TECHNICAL QUESTIONS RELATED WITH YEAR-ROUND LAND TREATMENT OF SEWAGE EFFLUENT AS WFLA AND YEAR-ROUND IRRIGATION OF HEAVY SOILS WITH MUNICIPAL SEWAGE EFFLUENT IN THE SOVIET UNION).	CA20NLR -7280338- -
SOVIET UNION	ZUR ENTWICKLUNG DER GANZJAHRIGEN ABWASSERLANDBEHANDLUNG IN DER SOVIETUNION IN THE SOVIET UNION).	CA20NLR -7280295- -
SOVIET	EFFECTS OF CITY SEWAGE EFFLUENT ON GRAIN YIELD AND GRAIN MALT QUALITY OF FALL-SOWN, IRRIGATED BARLEY.	CA20NLR -7280094- -
SOYBEANS	EFFECTS OF CHROMIUM ON GROWTH AND MINERAL NUTRITION OF SOYBEANS.	CA20NLR -7280135- -
SPECIES	DECOMPOSITION OF THIUREAS BY A PENICILLIUM SPECIES AND SOIL AND SEWAGE-SLUDGE MICROFLORA.	CA20NLR -7280252- -
SPECIES	SPECIES OF FUSARIUM ISOLATED FROM A WASTE STABILIZATION POND SYSTEM.	CA20NLR -7280557- -
SPECTROGRAPHIC	SPECTROGRAPHIC ANALYSIS OF AIR-DRIED SEWAGE SLUDGE. *ALUMINUM*CALCIUM*IRON*MAGNESIUM*TITANIUM*BARIUM*COPPER*MANAGANESE*SODIUM*NICKEL*TIN*VANADIUM*ZINC*SILVER*ZIRCONIUM*BORON*BERYLLIUM*CHROMIUM*COBALT*GALLIUM*MOLYBDENUM*	CA20NLR -7280469- -
SPECTROSCOPY	DETERMINATION OF CADMIUM IN FERTILIZERS BY ATOMIC ABSORPTION SPECTROSCOPY. *BACTERIA*	CA20NLR -7280507- -
SPHAEROTILUS	EFFECT OF SEWAGE LOADING ON PREVALENCE OF SPHAEROTILUS NATANS.	CA20NLR -7280365- -
SPIROCHETES	SURVIVAL OF PATHOGENS AND RELATED DISEASE HAZARDS. *BACTERIA*SPIROCHETES*PROTOZOA*HELMINTHS*VIRUSES*REVIEW*	CA20NLR -7280107- -
SPOIL	SEWAGE EFFLUENT AND SLUDGE MAKE POSSIBLE REVEGETATION OF STRIP PINE SPOIL BANKS.	CA20NLR -7280401- -
SPORE	DISINFECTION EFFECTIVENESS OF HEAT DRYING OF SLUDGE. *HYGIENE*COLIFORM*SPORE-FORMING*CRYPTOSPORIDIUM*BACTERIA*ASCARIASIS*	CA20NLR -7280005- -
SPRAY	SPRAY DISPOSAL OF DOMESTIC WASTES. *SODIUM*PASTURE*WOODLANDS*	CA20NLR -7280016- -
SPRAYING	CHANGES IN WOODLAND VEGETATION AND SOILS AFTER SPRAYING LARGE AMOUNTS OF WASTE WATER.	CA20NLR -7280534- -
SPREAD	FUNGI IN SOILS OVER WHICH DIGESTED SEWAGE SLUDGE HAS BEEN SPREAD.	CA20NLR -7280004- -
SPREAD	INVESTIGATIONS ON THE SPREAD OF BACTERIA CAUSED BY IRRIGATION WITH WASTE WATER. *VEGETABLES*COLIFORM*SALMONELLA*	CA20NLR -7280358- -
SPREAD	FUNGI IN SOILS OVER WHICH DIGESTED SEWAGE SLUDGE HAS BEEN SPREAD.	CA20NLR -7280265- -
SPREADING	UTILIZING THE DECOMPOSITION OF ORGANIC RESIDUES TO INCREASE INFILTRATION RATES IN WATER SPREADING.	CA20NLR -7280194- -
SPREADING	PORE GAS COMPOSITION UNDER SEWAGE SPREADING.	CA20NLR -7280367- -
SPREADING	AN INVESTIGATION OF SEWAGE SPREADING ON FIVE CALIFORNIA SOILS. *INFILTRATION*COLIFORM*CALCIUM*MAGNESIUM*SODIUM*POTASSIUM*IRRIGATION*	CA20NLR -7280286- -
SPREADING	CHEMICAL CHANGES IN SEWAGE DURING RECLAMATION BY SPREADING. *AMMONIUM*LEACHING*NITRATE*CALCIUM*MAGNESIUM*PHOSPHORUS*SODIUM*SULFATE*CHLORIDE*BICARBONATE*	CA20NLR -7280145- -
SPREADING	SOIL CHEMICAL CHANGES AND INFILTRATION RATE REDUCTION UNDER SEWAGE SPREADING.	CA20NLR -7280470- -
SPIRINKLER	RIDGE AND FURROW LIQUID WASTE DISPOSAL IN NORTHERN LATITUDE. *SPRINKLER*FLOOD*RIDGE-FURROW*NITROGEN*PHOSPHORUS*	CA20NLR -7280049- -
SPIRINKLER	A NEW PROSPECT. *IRRIGATION*SPRINKLER*SEWAGE*EFFLUENT*LEACHING*PENNSYLVANIA*	CA20NLR -7280199- -
SPIRINKLER	THE PURIFYING EFFECT OF DIFFERENT METHODS OF SEWAGE-WATER TREATMENT IN INVESTIGATIONS OF BERLIN SAND SOIL. *IRRIGATION*SPRINKLER*FLOOD*FURROW*LEACHING*NITROGEN*NITRATE*AMMONIUM*PHOSPHORUS*POTASSIUM*CALCIUM*SODIUM*	CA20NLR -7280183- -

SPRINKLING	THE SUITABILITY OF DIFFERENT METHODS OF APPLICATION FOR THE UTILIZATION OF SEWAGE. *SPRINKLER*FURROW*SUBSOIL*	CA2ONLR -7280168- - CA2ONLR -7280043- -
SPRINKLING	THE EFFECT OF SPRINKLING IRRIGATION WITH SEWAGE ON THE PRODUCTIVITY OF MEADOWS AND SOME BIOCHEMICAL PHENOMENA IN THE SOIL.	CA2ONLR -7280428- -
SPRINKLING	ECONOMICS OF SEWAGE DISPOSAL IN CONNECTION WITH AGRICULTURAL UTILIZATION. *SPRINKLING*GERMANY*POLAND*	CA2ONLR -7280339- -
SPRINKLING	EFFECT OF MUNICIPAL SEWAGE EFFLUENT IRRIGATION ON HEIGHT GROWTH OF WHITE SPRUCE.	CA2ONLR -7280557- -
STABILIZATION	SPECIES OF FUSARIUM ISOLATED FROM A WASTE STABILIZATION POND SYSTEM.	CA2ONLR -7280133- -
STATISTISCHEN	BETRIEBSWIRTSCHAFTLICHE ERGEBNISSE DES STADTISCHEN GUTES DIETERSHEIM MIT DER UMSTELLUNG AUF ABWASSERSCHLAMMWERWERTUNG (RESULTS OF THE FARM MANAGEMENT OF THE MUNICIPAL FARM AT DIETERSHEIM AFTER THE ADAPTION TO THE UTI	CA2ONLR -7280415- -
STADTKOMPOSTEN	ZUR VERWENDUNG VON STADTKOMPOSTEN IM ZIERPFLANZENBAU (USE OF MUNICIPAL WASTE COMPOSTS IN ORNAMENTAL PLANT GROWING).	CA2ONLR -7280326- -
STALLMIST	EIN ZWOLFJAHRIGER FREILANDVERSUCH ZUR WIRKUNG VON MULL-UND KLARSOHLAMMKOMPOSTEN, STALLMIST UND STROH AUF ERTRAG, NAHRSTOFF-UND HUMUSHAUSHALT DES BODENS (A TWELVE-YEAR FIELD TEST ON THE EFFECT OF REFUSE COMPOSTS AND S	CA2ONLR -7280181- -
STALLMIST	FUNFJAHRIGE ERGEBNISSE EINES VERGLEICHENDEN FELDVERSUCHS MIT ABWASSERFAULSCHLAMMEN, STALLMIST UND MINERALDUNGU NG AUF SANDBODEN (RESULTS OF A COMPARATIVE FIELD TEST OVER FIVE YEARS WITH DIGESTED SEWAGE SLUDGE, FARM YAR	CA2ONLR -7280020- -
STATISTICAL	ANALYSIS OF SOLID WASTE COMPOSITION; STATISTICAL TECHNIQUE TO DETERMINE SAMPLE SIZE.	CA2ONLR -7280354- -
STELLUNG	DIE STELLUNG DER ABWASSERBODENBEHANDLUNG ALS REGELMETHODE DER ABWASSERREINIGUNG UND ERFORDERNISSE ZU IHRER WEITENTWICKLUNG IN DER DDR. (SEWAGE DISPOSAL BY LAND TREATMENT--A REGULAR METHOD OF WATER PURIFICATION, IT	CA2ONLR -7280298- -
STORAGE	A COMPUTER MODEL FOR STORAGE AND LAND DISPOSAL OF ANIMAL WASTES.	CA2ONLR -7280182- -
STORAGE	EFFECT OF DIFFERENT PUTREFYING WASTE-WATER SLUDGE APPLICATIONS ON THE WATER-STORAGE CAPACITY AND YIELD OF A SANDY SOIL.	CA2ONLR -7280119- -
STREPTOCOCCAL	SEWAGE SLUDGE CONDITIONING AND DISINFECTION BY GAMMA IRRADIATION. *COLIFORM*STREPTOCOCCAL*FECAL*	CA2ONLR -7280070- -
STREPTOCOCCI	VIRUS CONTROL AT THE SANTEE, CALIF. PROJECT. *COLIFORM*STREPTOCOCCI*BACTERIA*SEWAGE*EFFLUENT*RECREATION*REOVIRUS*POLIOVIRUS*ECHOVIRUS*ADENOVIRUS*	CA2ONLR -7280561- -
STREPTOCOCCI	REMOVAL OF ENTERIC VIRUSES FROM SEWAGE BY ACTIVATED SLUDGE TREATMENT. *POLIOVIRUS*COXSACKIE*COLIFORM*BACTERIA*STREPTOCOCCI*	CA2ONLR -7280401- -
STRIP	SEWAGE EFFLUENT AND SLUDGE MAKE POSSIBLE REVEGETATION OF STRIP MINE SPOIL BANKS.	CA2ONLR -7280326- -
STROH	EIN ZWOLFJAHRIGER FREILANDVERSUCH ZUR WIRKUNG VON MULL-UND KLARSOHLAMMKOMPOSTEN, STALLMIST UND STROH AUF ERTRAG, NAHRSTOFF-UND HUMUSHAUSHALT DES BODENS (A TWELVE-YEAR FIELD TEST ON THE EFFECT OF REFUSE COMPOSTS AND S	CA2ONLR -7280188- - CA2ONLR -7280214- -
SUBSOIL	THE SUITABILITY OF DIFFERENT METHODS OF APPLICATION FOR THE UTILIZATION OF SEWAGE. *SPRINKLER*FURROW*SUBSOIL*	CA2ONLR -7280131- -
SUBSTRATE	SEQUENTIAL SUBSTRATE REMOVAL BY ACTIVATED SLUDGE AFTER A CHANGE IN SALT CONCENTRATION.	CA2ONLR -7280145- -
SUCCESSING	COMPARISONS OF FARMYARD MANURE, SEWAGE SLUDGE, AND OTHER ORGANIC MANURES TESTED ON POTATOES AND A SUCCEEDING CEREAL CROP AT ROTHAMSTED.	CA2ONLR -7280478- -
SUDGES	AEROBIC HETEROTROPHIC BACTERIAL POPULATIONS OF SEWAGE AND ACTIVATED SUDGES.	CA2ONLR -7280145- -
SULFATE	CHEMICAL CHANGES IN SEWAGE DURING RECLAMATION BY SPREADING. *AMMONIUM*LEACHING*NITRATE*CALCIUM*MAGNESIUM*PHOSPHORUS*SODIUM*SULFATE*CHLORIDE*DICARBONATE*	CA2ONLR -7280478- -
SULFATE	OBSERVATIONS ON SOME MINERALS AND A VITAMINS IN SEWAGE AND SLUDGES. *PHOSPHORUS*SULFATE*SULFIDE*IRON*CALCIUM*MAGNESIUM*COPPER*ZINC*CHROMIUM*NICKEL*POLYBROMEN*COBALT*	

TOILET		CA20NLP -7280262- -
SULFATE	EFFECTS OF SULFATES ON ANAEROBIC DIGESTION OF SEWAGE SLUDGES.	CA20NLP -7280478- -
SULFITE	OBSERVATIONS ON SOME MINERALS AND VITAMINS IN SEWAGE AND SLUDGES. *PHOSPHORUS*SULFATE*SULFIDE*IRON*CALCIUM*MAGNESIUM*COPPER*ZINC*CHROMIUM*NICKEL*MOLYBDENUM*COBALT*	CA20NLP -7280329- -
SULFUR	DISPOSAL OF HIGH ORGANIC CONTENT WASTES ON LAND. *SLUDGE*SULFITE*WHEY*	CA20NLP -7280299- -
SULFUR	SEWAGE SLUDGE AS FERTILIZER. *NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*LEAD*MAGNESIUM*COPPER*IRON*ALUMINUM*ZINC*ARSENIC*BARIUM*SULFUR*MANGANESE*BISMUTH*CHLORINE*TOLEDO*	CA20NLP -7280445- -
SULFUR	TEST OF SEWAGE SLUDGE FOR FERTILITY AND TOXICITY IN SOILS. *NITROGEN*PHOSPHORUS*POTASSIUM*SULFUR*	CA20NLP -7280522- -
SULFUR	FERTILIZER AND FERTILITY VALUE OF SEWAGE SLUDGE. *NITROGEN*PHOSPHORUS*POTASSIUM*ALUMINUM*CALCIUM*MAGNESIUM*MANGANESE*SODIUM*TITANIUM*COPPER*BARIUM*ZINC*LEAD*NICKEL*COBALT*SULFUR*CHROMIUM*ARSENIC*BORON*IODINE*GREASE*LEAD*ZINC*COPPER*SULFUR*	CA20NLP -7280051- -
SULFUR	THE USE OF INDUSTRIAL PRODUCTS AS FERTILIZERS WITH TRACE ELEMENTS IN ROMANIA. *COBALT*IRON*MANGANESE*CONTENT*LEAD*ZINC*COPPER*SULFUR*	CA20NLP -7280024- -
SULFUR	STUDIES OF WASTE WATER RECLAMATION AND UTILIZATION. *REVIEW*CALCIUM*MAGNESIUM*SODIUM*POTASSIUM*AMMONIUM*SULFUR*NITRATE*BORON*CONDUCTIVITY*CALIFORNIA*	CA20NLP -7280011- -
SULFUR	COMPOSITION AND NITRIFICATION CHARACTERISTICS OF SOME SEWAGE AND INDUSTRIAL SLUDGES. *ACTIVATED*DIGESTED*NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*MAGNESIUM*COPPER*BORON*MANGANESE*MOLYBDENUM*ZINC*SULFUR*PH*	CA20NLP -7280038- -
SULFUR	RETURNING WASTES TO THE LAND, A ROLE FOR AGRICULTURE. *BORON*SODIUM*POTASSIUM*MAGNESIUM*CALCIUM*NITROGEN*PHOSPHORUS*SULFUR*CHLORIDE*LEACHING*EFFLUENT*REVIEW*	CA20NLP -7280392- -
SULPHATE	RELATIVE EFFICACY OF SEWAGE AS COMPARED TO AMMONIUM SULPHATE AND SUPERPHOSPHATE ON EQUIVALENT BASIS IN BERSEEM CROP-EGYPTIAN CLOVER.	CA20NLP -7280319- -
SULPHATE	A NOTE ON THE RELATIVE EFFICIENCY OF SEWAGE, AMMONIUM SULPHATE AND SUPERPHOSPHATE ON THE FERTILITY OF THE SOIL	CA20NLP -7280366- -
SULPHATE	MICROBIAL RELEASE OF SOLUBLE PHOSPHATE IN AN ACTIVATED SLUDGE ENVIRONMENT. *TOXIC*ALCOHOL*SULPHATE*SALT*	CA20NLP -7280113- -
SUNFLOWER	THE EFFECT OF IRRIGATION WITH TOWN SEWAGE ON VARIOUSLY FERTILIZED MANGEL-WURZEL AND SUNFLOWER GROWN FOR FODDER	CA20NLP -7280122- -
SUPERNATANTS	TREATMENT OF SUPERNATANTS AND LIQUIDS ASSOCIATED WITH SLUDGE TREATMENT. *AMMONIA*PH*8.0.D.*C.O.D.*NITROGEN*	CA20NLP -7280319- -
SUPERPHOSPHATE	A NOTE ON THE RELATIVE EFFICIENCY OF SEWAGE, AMMONIUM SULPHATE AND SUPERPHOSPHATE ON THE FERTILITY OF THE SOIL	CA20NLP -7280392- -
SUPERPHOSPHATE	RELATIVE EFFICACY OF SEWAGE AS COMPARED TO AMMONIUM SULPHATE AND SUPERPHOSPHATE ON EQUIVALENT BASIS IN BERSEEM CROP-EGYPTIAN CLOVER.	CA20NLP -7280009- -
SUPPLYING	VALUE OF LIQUID DIGESTED SEWAGE SLUDGE .2. EXPERIMENTS ON RYEGRASS IN SOUTHEAST ENGLAND COMPARING SLUDGE WITH FERTILIZERS SUPPLYING EQUIVALENT NITROGEN, PHOSPHORUS AND WATER.	CA20NLP -7280167- -
SURFACE	COMPLEMENTARY RELATIONSHIPS BETWEEN RECLAMATION OF SURFACE MINED LAND AND SLUDGE DISPOSAL.	CA20NLP -7280107- -
SURVIVAL	SURVIVAL OF PATHOGENS AND RELATED DISEASE HAZARDS. *BACTERIA*SPIROCHETES*PROTOZOA*HELMINTHS*VIRUSES*REVIEW*	CA20NLP -7280418- -
SURVIVAL	PATHOGEN SURVIVAL IN COMPOSTING MUNICIPAL WASTES. *SALMONELLA*COLIFORM*SHIGELLA*BACTERIA*ASCARIS*ENDAMOEBAS*	CA20NLP -7280527- -
SURVIVAL	ABSORPTION AND TRANSLOCATION OF MAMMALIAN VIRUSES BY PLANTS. I. SURVIVAL OF MOUSE ENCEPHALOMYELITIS AND POLIO MYELITIS VIRUSES IN SOIL AND PLANT ROOT ENVIRONMENT. *POLIOVIRUS*ENCEPHALOMYELITIS*PH*	CA20NLP -7280452- -
SURVIVAL	SURVIVAL OF SELECTED ENTERIC ORGANISMS IN VARIOUS TYPES OF SOIL.	CA20NLP -7280480- -
SURVIVAL	LITERATURE REVIEW ON THE OCCURRENCE AND SURVIVAL OF ENTERIC, PATHOGENIC, AND RELATIVE ORGANISMS IN SOIL, WATER, SEWAGE AND SLUDGES, AND IN VEGETATION. I. BACTERIAL AND VIRUS DISEASES. *COLIFORM*TYPHOSA*TUBERCULOSIS*	

SURVIVAL	THE SURVIVAL OF SHIGELLA IN SEWAGE. I. AN EFFECT OF SEWAGE AND FECAL SUSPENSIONS ON SHIGELLA FLEXNERI. *BACTERIA*	CA20NLR -7280510- -
SURVIVAL	SURVIVAL OF SALMONELLA TYPHOSE DURING ANAEROBIC DIGESTION. *COLIFORM*BACTERIA*	CA20NLR -7280501- -
SURVIVAL	LITERATURE REVIEW ON THE OCCURRENCE AND SURVIVAL OF ENTERIC, PATHOGENIC, AND RELATED ORGANISMS IN SOIL, WATER, SEWAGE, AND SLUDGES, AND ON VEGETATION. II. ANIMAL PARASITES. *ENDAMOEBAS*HELMINTHS*ASCARIS*	CA20NLR -7280479- -
SUSPENSIONS	THE SURVIVAL OF SHIGELLA IN SEWAGE. I. AN EFFECT OF SEWAGE AND FECAL SUSPENSIONS ON SHIGELLA FLEXNERI. *BACTERIA*	CA20NLR -7280510- -
SWARDS	VALUE OF LIQUID DIGESTED SEWAGE SLUDGE .I. EFFECT OF LIQUID SEWAGE SLUDGE ON GROWTH AND COMPOSITION OF GRASS-CLOVER SWARDS IN SOUTHEAST ENGLAND.	CA20NLR -7280010- -
SYMBIOTIC	RESPIRATORY RELATIONS OF A SYMBIOTIC ALGAL-BACTERIAL CULTURE FOR WASTE WATER NUTRIENT REMOVAL. *ACTIVATED*SLUDGE*CHLORELLA*SEWAGE*TREATMENT*	CA20NLR -7280175- -
SYNTHETIC	AEROBIC HETEROTROPHIC BACTERIAL POPULATIONS OF SEWAGE AND ACTIVATED SLUDGE. III. ADAPTATION IN A SYNTHETIC WASTE.	CA20NLR -7280270- -
SYSTEMEM	WYNIKI DOŚWIADCZEŃ Z NAWODNIENIEM ROSLIN UPRAWNYCH MIEJSKIMI WODAMI SCIEKOWYMI SYSTEMEM SMUZYNYM I BRUZDOWYM W KAMIENIEC WROCLAWSKIM. (RESULTS OF TRIALS IN KAMENIEC WROCLAWSKI AND IRRIGATION OF CROPS WITH SEWAGE).	CA20NLR -7280255- -
TANK	SEPTIC TANK EFFLUENT PERCOLATION THROUGH SAND UNDER LABORATORY CONDITIONS.	CA20NLR -7280197- -
TANKAGE	FERTILIZING VALUE OF GARBAGE, TANKAGE AND SEWAGE SLUDGE.	CA20NLR -7280556- -
TANKER	THE BRITISH SYSTEM OF TANKER SLUDGE DISPOSAL.	CA20NLR -7280504- -
TANNERY	CATTLESKIN TANNERY WASTE TREATMENT IN A COMPLETELY MIXED ACTIVATED SLUDGE PILOT PLANT. *CHROMIUM*REMOVAL*	CA20NLR -7280184- -
TASKS	TASKS AND PROBLEMS CONCERNING SEWAGE DISPOSAL BY LAND TREATMENT INTERNATIONALLY AND THEIR SOLUTION UNDER CONDITIONS OF MODERN SOCIALIST AGRICULTURE.	CA20NLR -7280333- -
TECHNISCHE	TECHNISCHE FRAGEN DER GANZJAHRIGEN ABWASSERLANDBEHANDLUNG SOWIE GANZJAHRIGE BEWASSERUNG SCHWERER BODEN MIT KOMMUNALEM ABWASSER (TECHNICAL QUESTIONS RELATED WITH YEAR-ROUND LAND TREATMENT OF SEWAGE EFFLUENT AS WELL AS	CA20NLR -7280338- -
TEXAS	TEXAS APPROVES IRRIGATION OF ANIMAL CROPS WITH SEWAGE PLANT EFFLUENTS. *BACTERIA*HELMINTHS*AMOEBA*ASCARIS*SLUDGE*	CA20NLR -7280163- -
TEXAS	EXPERIMENTS IN COMPOSTING DIGESTED SLUDGE AT AUSTIN TEXAS.	CA20NLR -7280456- -
TEXAS	LAND DISPOSAL OF ACTIVATED SLUDGE AT SAN MARCOS, TEXAS. *RIDGE-FURROW*	CA20NLR -7280546- -
TEXAS	SEWAGE IRRIGATION IN TEXAS. *GRAINS*COTTON*ALFALFA*FORAGE*NUTS*CITRUS	CA20NLR -7280140- -
THERMOPHILIC	LABORATORY STUDIES ON MESOPHILIC AND THERMOPHILIC ANAEROBIC SLUDGE DIGESTION.	CA20NLR -7280525- -
THIOUREAS	DECOMPOSITION OF THIOUREAS BY A PENICILLIUM SPECIES AND SOIL AND SEWAGE-SLUDGE MICROFLORA.	CA20NLR -7280252- -
TISSUE	PLANT TISSUE ANALYSIS FOR MICRONUTRIENTS.	CA20NLR -7280515- -
TITANIUM	SPECTROGRAPHIC ANALYSIS OF AIR-DRIED SEWAGE SLUDGE. *ALUMINUM*CALCIUM*IRON*MAGNESIUM*TITANIUM*BARIUM*COPPER*MANGANESE*SODIUM*NICKEL*ZINC*VANADIUM*ZINC*SILVER*7 IRIDIUM*RODOLPH*BERYLLIUM*CHROMIUM*COBALT*GALLIUM*MOLYBDENUM	CA20NLR -7280469- -
TITANIUM	METALS IN MUNICIPAL SEWERAGE SYSTEMS. *CHROMIUM*ZINC*COPPER*NICKEL*LEAD*MANGANESE*TITANIUM*	CA20NLR -7280223- -
TITANIUM	FERTILIZER AND FERTILITY VALUE OF SEWAGE SLUDGE. *NITROGEN*PHOSPHORUS*POTASSIUM*ALUMINUM*CALCIUM*MAGNESIUM*MANGANESE*SODIUM*TITANIUM*COPPER*BARIUM*7 IRIDIUM*LEAD*NICKEL*COBALT*SULFUR*CHROMIUM*ARSENIC*BORON*IODINE*GREASE*LEAD*PHENOL*BARIUM*SULFUR*MANGANESE*TRISODIUM CHLORINE*TOLENE*	CA20NLR -7280522- -
TOLENE	SEWAGE SLUDGE AS FERTILIZER. *NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*LEAD*MAGNESIUM*COPPER*IRON*ALUMINUM*ZINC*ARSENIC*BARIUM*SULFUR*MANGANESE*TRISODIUM CHLORINE*TOLENE*	CA20NLR -7280299- -

TOPSOIL	MAKING TOPSOIL WITH WET SLUDGE	CA20NLP -7280293- -
TOPSOIL	UTILIZATION OF SEWAGE SLUDGE FROM THE PRODUCT OF TOPSOIL. *NEW YORK*SEA TRANSPORT*	CA20NLP -7280337- -
TOPSOIL	SLUDGE FLUTRIATION, FILTRATION, AND INCINERATION-DRYING AT TORONTO.	CA20NLP -7280003- -
TOWN	EXPERIMENTS WITH FARMYARD MANURE, SEWAGE SLUDGES AND TOWN REFUSE ON MICROPLOTS AT SCHOOLS 1940-1949.	CA20NLP -7280132- -
TOWN	EXPERIMENTS ON DIRECT CUMULATIVE AND RESIDUAL EFFECTS OF TOWN REFUSE MANURES AND SEWAGE SLUDGE AT ROTHAMSTED AND OTHER CENTRES, 1940-1947.	CA20NLP -7280130- -
TOWN	THE EFFECT OF IRRIGATION WITH TOWN SEWAGE ON VARIOUSLY FERTILIZED MANGEL-WURZEL AND SUNFLOWER GROWN FOR FODDER	CA20NLP -7280113- -
TOWN	A CONTRIBUTION TO THE CHARACTERIZATION OF ORGANIC MATTER IN TOWN-REFUSE COMPOSTS AND SEWAGE SLUDGES AND IN OTHER MINUS FERTILIZERS PREPARED FROM THEM. *ANALYTICAL*	CA20NLP -7280210- -
TOWN	INVESTIGATIONS ON THE PLANT-AVAILABILITY OF N, P, AND K, IN TOWN REFUSE AND REFUSE-SEWAGE SLUDGE COMPOSTS.	CA20NLP -7280211- -
TOWN	AGRICULTURAL USAGE OF SEWAGE OF THE TOWN OF ZORY. *NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*MAGNESIUM*IRON*CHLORIDES*	CA20NLP -7280266- -
TOWN	THE EFFECT OF IRRIGATION WITH TOWN SEWAGE ON THE PRODUCTION OF VARIOUSLY FERTILIZED WINTER RAPE.	CA20NLP -7280457- -
TOWN	THE EFFECT OF COMPOSTED TOWN REFUSE AND ACTIVATED SLUDGE ON PLANTS AND SOILS.	CA20NLP -7280395- -
TOXIC	AGRICULTURAL USES OF RECLAIMED SEWAGE EFFLUENT. *IRRIGATION*TOXIC*BORON*METALS*	CA20NLP -7280421- -
TOXIC	THE OCCURRENCE OF COPPER IN WATER, SEWAGE, AND SLUDGE AND ITS EFFECT ON SLUDGE DIGESTION. *TOXIC*CALCIUM*MAGNESIUM*PHOSPHORUS*MANGANESE*IRON*ALUMINIUM*ZINC*BORON*NICKEL*CHROMIUM*CADMIUM*	CA20NLP -7280231- -
TOXIC	THE CASE FOR SLUDGE AS A SOIL IMPROVER. *TOXIC*	CA20NLP -7280242- -
TOXIC	AN INEXPENSIVE BIOASSAY AIMED AT THE AGRICULTURAL DISPOSAL OF WASTE WATERS. *PLANTS*TOXIC*GERMINATION*	CA20NLP -7280269- -
TOXIC	TOXIC EFFECTS OF AMMONIA NITROGEN IN HIGH-RATE DIGESTION.	CA20NLP -7280227- -
TOXIC	EFFECTS OF HEAVY METAL IONS ON THE GROWTH OF MICROORGANISMS. *ZINC*NICKEL*COBALT*COPPER*BACTERIA*YEASTS*MOLDS*TOXIC*	CA20NLP -7280018- -
TOXIC	EFFECT OF ADDITION OF COPPER, MANGANESE, ZINC, AND CHROMIUM COMPOUNDS ON AMMONIFICATION AND NITRIFICATION DURING INCUBATION OF SOIL. *TOXIC*GERMINATION*	CA20NLP -7280037- -
TOXIC	TRANSPORT OF NUTRIENT SALTS AND TOXIC SUBSTANCES IN THE SOIL-PLANT-ANIMAL ECOSYSTEM. *MERCURY*SEWAGE*FERTILIZER*PHOSPHORUS*NITROGEN*SLUDGE*	CA20NLP -7280324- -
TOXIC	TOXIC EFFECTS OF AMMONIA NITROGEN ON HIGH RATE DIGESTION. DISCUSSION.	CA20NLP -7280308- -
TOXIC	MICROBIAL RELEASE OF SOLUBLE PHOSPHATE IN AN ACTIVATED SLUDGE ENVIRONMENT. *TOXIC*ALCOHOL*SULPHATE*SALT*	CA20NLP -7280366- -
TOXIC	AGRICULTURAL APPLICATION OF DIGESTED SEWAGE SLUDGE. *TOXIC*ZINC*COLIFORM*AMMONIA TOXICITY*	CA20NLP -7280542- -
TOXICITY	EFFECT OF FE(II) IN THE DISAPPEARANCE OF CADMIUM-INDUCED PHENOMENA ON RHIZOPUS JAVANICUS. *IRON*CADMIUM*TOXICITY*	CA20NLP -7280518- -
TOXICITY	AGRICULTURAL APPLICATION OF DIGESTED SEWAGE SLUDGE. *TOXIC*ZINC*COLIFORM*AMMONIA TOXICITY*	CA20NLP -7280542- -
TOXICITY	THE EFFECTS OF TRACE ELEMENTS ON THE EXHAUSTION OF SEWAGE-IRRIGATED LAND. *FRANCE*GERMANY*COPPER*ZINC*TOXICITY*MANGANESE*SODIUM*COBALT*POLYBROMINUM*BORON*	CA20NLP -7280352- -
TOXICITY	SEIN BEITRAG ZUR DEN URSACHEN DER PESTEL-KRANKHEIT VON BODEN (CAUSES OF SEWAGE SICKNESS IN SOILS). *IRON*ZINC*COBALT*TOXICITY*CYANIDE*LIME*CYANAMIDE*	CA20NLP -7280357- -

TOXICITY	UTILIZATION OF MICRO GREEN ALGAE FOR TREATMENT OF INDUSTRIAL WASTES OR POLLUTED WATER. III. RESISTANCE OF LIVE CHLORELLA IN POLLUTED WATER TO TOXICITY OF SOME HEAVY METALS.	CA2ONLR -7280375- -
TOXICITY	ON TOXICITY OF WASTE WATERS FROM MINING AND METALLURGICAL INDUSTRIES. *COPPER*LEAD*ZINC*	CA2ONLR -7280370- -
TOXICITY	EFFECTS OF ORGANIC AMENDMENTS ON MANGANESE TOXICITY IN POTATOES AS MEASURED BY SAND AND SOIL CULTURE STUDIES.	CA2ONLR -7280015- -
TOXICITY	TOXICITY OF CHROMIUM SALTS IN RELATION TO MICRO-ORGANISMS RESPONSIBLE FOR PURIFICATION.	CA2ONLR -7280027- -
TOXICITY	FACTS DETERMINING TOXICITY OF COPPER IN THE FIELD OF BIOLOGICAL SEWAGE TREATMENT-ESPECIALLY IN THE FIELD OF ACTIVATED SLUDGE PROCESS.	CA2ONLR -7280125- -
TOXICITY	TRACE ELEMENTS IN SEWAGE SLUDGE. *ZINC*CHROMIUM*COPPER*NICKEL*TIN*SILVER*BISMUTH*LEAD*MANGANESE*VANADIUM*TOXICITY*	CA2ONLR -7280208- -
TOXICITY	EFFECTS OF USING LAGOONED SEWAGE EFFLUENT ON FARMLAND. *BORON*TOXICITY*SALTS*	CA2ONLR -7280441- -
TOXICITY	TEST OF SEWAGE SLUDGE FOR FERTILITY AND TOXICITY IN SOILS. *NITROGEN*PHOSPHORUS*POTASSIUM*SULFUR*	CA2ONLR -7280445- -
TRACE	THE TRACE-ELEMENT CONTENT OF SOILS.	CA2ONLR -7280474- -
TRACE	TRACE ELEMENTS IN SEWAGE SLUDGE. *ZINC*CHROMIUM*COPPER*NICKEL*TIN*SILVER*BISMUTH*LEAD*MANGANESE*VANADIUM*TOXICITY*	CA2ONLR -7280208- -
TRACE	TRACE ELEMENT REMOVAL FROM SEWAGE EFFLUENT BY SOIL FILTRATION. *IRON*MANGANESE*NICKEL*COPPER*ZINC*LEAD*CADMIUM*LEACHING*	CA2ONLR -7280247- -
TRACE	THE EFFECT OF FLOODING AND AERATION ON THE MOBILITY OF CERTAIN TRACE ELEMENTS IN SOILS. *LEAD*COPPER*NICKEL*ZINC*COBALT*MANGANESE*CHROMIUM*OXIDATION*REDUCTION*VANADIUM*MOLYBDENUM*	CA2ONLR -7280134- -
TRACE	LEVEL OF TRACE ELEMENTS (NICKEL, COBALT, AND COPPER) IN PLANTS GROWING IN SLURRY FIELDS OF ALUMINUM PRODUCTION	CA2ONLR -7280104- -
TRACE	THE USE OF INDUSTRIAL PRODUCTS AS FERTILIZERS WITH TRACE ELEMENTS IN ROMANIA. *COBALT*IRON*MANGANESE*CONTENT*LEAD*ZINC*COPPER*SULFUR*	CA2ONLR -7280051- -
TRACE	THE EFFECTS OF TRACE ELEMENTS ON THE EXHAUSTION OF SEWAGE-IRRIGATED LAND. *FRANCE*GERMANY*COPPER*ZINC*TOXICITY*MANGANESE*SODIUM*COBALT*MOLYBDENUM*BORON*	CA2ONLR -7280352- -
TRANSIENT	TRANSIENT LOADING EFFECTS IN ACTIVATED SLUDGE PROCESS.	CA2ONLR -7280115- -
TRANSLOCATION	ABSORPTION AND TRANSLOCATION OF MAMMALIAN VIRUSES BY PLANTS.II. RECOVERY AND DISTRIBUTION OF VIRUSES IN PLANTS *POLIOVIRUS*ENCEPHALOMYELITIS*	CA2ONLR -7280528- -
TRANSLOCATION	ABSORPTION AND TRANSLOCATION OF MAMMALIAN VIRUSES BY PLANTS. I. SURVIVAL OF MOUSE ENCEPHALOMYELITIS AND POLIOMYELITIS VIRUSES IN SOIL AND PLANT ROOT ENVIRONMENT. *POLIOVIRUS*ENCEPHALOMYELITIS*PH*	CA2ONLR -7280527- -
TRANSPORT	THE TRANSPORT OF WATER-BORNE VIRUSES IN SOIL.	CA2ONLR -7280054- -
TRANSPORT	UTILIZATION OF SEWAGE SLUDGE FROM THE PRODUCTION OF TOPSOIL. *NEW YORK*SEA TRANSPORT*	CA2ONLR -7280337- -
TRANSPORT	TRANSPORT OF NUTRIENT SALTS AND TOXIC SUBSTANCES IN THE SOIL-PLANT-ANIMAL ECOSYSTEM. *MERCURY*SEWAGE*FERTILIZER*PHOSPHORUS*NITROGEN*SLUDGE*	CA2ONLR -7280324- -
TRANSPORTING	TRANSPORTING WASTES TO BUILD SOILS. *BACTERIA*COLIFORM*SALMONELLA*SHIGELLA*PENNSYLVANIA*	CA2ONLR -7280137- -
TREATMENT	FACTS DETERMINING TOXICITY OF COPPER IN THE FIELD OF BIOLOGICAL SEWAGE TREATMENT-ESPECIALLY IN THE FIELD OF ACTIVATED SLUDGE PROCESS.	CA2ONLR -7280125- -
TREATMENT	NOTES ON EUGLENA ACUS EHRENBERG FROM SEWAGE TREATMENT PONDS.	CA2ONLR -7280157- -

TREATMENT	HYGIENE OF LAND TREATMENT OF SEWAGE. *PATHOGENS*	CA2ONLP -7280150- -
TREATMENT	TREATMENT OF SUPERNATANTS AND LIQUIDS ASSOCIATED WITH SLUDGE TREATMENT. *AMMONIA*PH*B.O.D.*C.O.D.*NITROGEN*	CA2ONLP -7280122- -
TREATMENT	SLUDGE TREATMENT DISPOSAL AND UTILIZATION.	CA2ONLP -7280084- -
TREATMENT	INFLUENCE OF TRIVALENT CHROMIUM ON THE BIOLOGICAL TREATMENT OF DOMESTIC SEWAGE. *DIGESTION*	CA2ONLP -7280056- -
TREATMENT	TREATMENT REQUIRED FOR SEWAGE REUSED FOR IRRIGATION PURPOSES.	CA2ONLP -7280083- -
TREATMENT	A REVIEW OF LITERATURE OF 1967 ON WASTEWATER AND WATER POLLUTION CONTROL - WASTEWATER TREATMENT - SLUDGE TREATMENT DISPOSAL AND UTILIZATION.	CA2ONLP -7280086- -
TREATMENT	EFFECT OF CHROME PLATING WASTES ON WAPSAW, INDIANA, SEWAGE TREATMENT PLANT. *SLUDGE*CHROMIUM*VARIABILITY*SAMPLING*	CA2ONLP -7280118- -
TREATMENT	FORSTLICHE ABWASSERVERWERTUNG--EIN FAKTOR FÜR DIE GANZJÄHRIGE ABWASSERLANDBEHANDLUNG (SEWAGE DISPOSAL IN FORESTRY--A FACTOR IN YEAR-ROUND DISPOSAL BY LAND TREATMENT). *POLAND*B.O.D.*IRRIGATION*	CA2ONLP -7280103- -
TREATMENT	TREATMENT OF SUPERNATANTS AND LIQUIDS ASSOCIATED WITH SLUDGE TREATMENT. *AMMONIA*PH*B.O.D.*C.O.D.*NITROGEN*	CA2ONLP -7280122- -
TREATMENT	PROTOZOA IN BIOLOGICAL SEWAGE-TREATMENT PROCESSES. II. PROTOZOA AS INDICATORS IN THE ACTIVATED SLUDGE PROCESS. *CILIATE*HOLOTRICH*PERITRICH*HYPOTRICH*	CA2ONLP -7280100- -
TREATMENT	A REVIEW OF LITERATURE OF 1967 ON WASTEWATER AND WATER POLLUTION CONTROL - WASTEWATER TREATMENT - SLUDGE TREATMENT DISPOSAL AND UTILIZATION.	CA2ONLP -7280086- -
TREATMENT	THE TREATMENT AND DISPOSAL OF SEWAGE SLUDGE. *FERTILIZER*DRYING*HYGIENE*	CA2ONLP -7280032- -
TREATMENT	EFFECTS ON VEGETATION OF IRRIGATION WITH WASTE TREATMENT EFFLUENTS AND POSSIBLE PLANT PATHOGEN-IRRIGATION INTERACTIONS.	CA2ONLP -7280007- -
TREATMENT	THE VIROLOGY OF WASTE WATER TREATMENT.	CA2ONLP -7280036- -
TREATMENT	TECHNISCHE FRAGEN DER GANZJÄHRIGEN ABWASSERLANDBEHANDLUNG SOWIE GANZJÄHRIGE BEWASSERUNG SCHWERER BODEN MIT KOMMUNALEN ABWASSERN (TECHNICAL QUESTIONS RELATED WITH YEAR-ROUND LAND TREATMENT OF SEWAGE EFFLUENT AS WELL AS COMMUNAL WASTEWATER).	CA2ONLP -7280338- -
TREATMENT	PATHWAYS OF PHOSPHORUS IN BIOLOGICAL TREATMENT PROCESSES.	CA2ONLP -7280330- -
TREATMENT	TASKS AND PROBLEMS CONCERNING SEWAGE DISPOSAL BY LAND TREATMENT INTERNATIONALLY AND THEIR SOLUTION UNDER CONDITIONS OF MODERN SOCIALIST AGRICULTURE.	CA2ONLP -7280333- -
TREATMENT	LAND TREATMENT OF SEWAGE. *BACTERIA*	CA2ONLP -7280359- -
TREATMENT	FACTORS INFLUENCING THE DESIGN AND OPERATION OF SOIL SYSTEMS FOR WASTE TREATMENT. *LEACHING*NITRATE*NITRITE*AMMONIUM*ABSCOLIOPH*BACTERIA*CHLOROPHYLL*	CA2ONLP -7280356- -
TREATMENT	DIE STELLUNG DER ABWASSERPROBLEMBEHANDLUNG ALS REGELMETHODE DER ABWASSERREINIGUNG UND ERFORDERNISSE ZU IHRER WEITERENTWICKLUNG IN DER DDR. (SEWAGE DISPOSAL BY LAND TREATMENT---A REGULAR METHOD OF WATER PURIFICATION, IT	CA2ONLP -7280354- -
TREATMENT	THE RATE OF LEAD DURING TREATMENT OF SEWAGE. *SLUDGE*LIME*ALUM*	CA2ONLP -7280381- -
TREATMENT	THE RATE OF NICKEL DURING THE TREATMENT OF SEWAGE. *SLUDGE*LIME*ALUM*	CA2ONLP -7280390- -
TREATMENT	UTILIZATION OF MICROGREEN ALGAE FOR TREATMENT OF INDUSTRIAL WASTES OR POLLUTED WATER. III. RESISTANCE OF LIVE CHLOROPHYLLA IN POLLUTED WATER TO TOXICITY OF SOME HEAVY METALS.	CA2ONLP -7280375- -
TREATMENT	THE RATE OF COPPER DURING TREATMENT OF SEWAGE. *SLUDGE*LIME*ALUM*	CA2ONLP -7280379- -
TREATMENT	METAL CONTENT IN SLUDGE FROM WASTE WATER TREATMENT PLANTS IN THE SURROUNDINGS OF COPENHAGEN. *CHROMIUM*MANGANESE*NICKEL*COBALT*ZINC*CADMIUM*COPPER*LEAD*IRON*	CA2ONLP -7280231- -

TREATMENT	PROTOZOA IN BIOLOGICAL SEWAGE-TREATMENT PROCESSES. 1. A SURVEY OF THE PROTOZOAN FAUNA OF BRITISH PERCOLATING FILTERS AND ACTIVATED SLUDGE PLANTS. *AMOEBA*FLAGELLATES*CILIATES*	CA20NLR -72B0551- -
TREATMENT	PHOSPHATE REMOVAL BY A LIME-BIOLOGICAL TREATMENT SCHEME. *LIME*ORTHOPHOSPHATE*POLYPHOSPHATE*	CA20NLR -72B0521- -
TREATMENT	RESEARCH NEEDS FOR ADVANCED WASTE TREATMENT. *PHOSPHORUS*ALUM*IRON*	CA20NLR -72B0531- -
TREATMENT	A LABORATORY GUIDE TO FUNGI IN POLLUTED WATERS, SEWAGE, AND SEWAGE TREATMENT SYSTEMS.	CA20NLR -72B0558- -
TREATMENT	REMOVAL OF ENTERIC VIRUSES FROM SEWAGE BY ACTIVATED SLUDGE TREATMENT. *POLIOVIRUS*COXSACKIE*COLIFORM*BACTERIA*STREPTOCOCCI*	CA20NLR -72B0561- -
TREATMENT	THE ENUMERATION OF YEAST POPULATIONS IN A SEWAGE TREATMENT PLANT.	CA20NLR -72B0559- -
TREATMENT	INFLUENCE OF SEWAGE DISPOSAL BY LAND TREATMENT OF WATERS. *POLAND*PHOSPHORUS*REMOVAL*	CA20NLR -72B0233- -
TREATMENT	DEVELOPMENTS IN SLUDGE TREATMENT AND DISPOSAL AT THE MAPLE LODGE WORKS, ENGLAND.	CA20NLR -72B0209- -
TREATMENT	EFFECTIVENESS OF WATER TREATMENT PROCESSES IN VIRUS REMOVAL.	CA20NLR -72B0212- -
TREATMENT	VERSUCHSERGEBNISSE UBER DIE BODENBEHANDLUNG VON ABWASSERSCHLAMMEN DER CHEMISCHEN INDUSTRIE (EXPERIMENTAL RESULTS ON THE LAND TREATMENT OF SEWAGE SLUDGES FROM CHEMICAL INDUSTRIES).	CA20NLR -72B0217- -
TREATMENT	DIE ABWASSERSCHLAMMBESITZUNG DES MÜNCHENER KLARWERKS GROSSLAPPEN (THE SEWAGE SLUDGE REMOVAL OF THE SEWAGE TREATMENT WORKS OF GROSSLAPPEN NEAR MUNICH).	CA20NLR -72B0203- -
TREATMENT	FOCUS ON ZINC. 7. TREATMENT OF EFFLUENT FROM HOT DIP GALVANIZING. *IRON*HYDROXIDE*SLUDGE*DEWATERING*LIME*	CA20NLR -72B0195- -
TREATMENT	THE PURIFYING EFFECT OF DIFFERENT METHODS OF SEWAGE-WATER TREATMENT IN INVESTIGATIONS OF BERLIN SAND SOIL. *IRRIGATION*SPRINKLER*FLOOD*FURROW*LEACHING*NITROGEN*NITRATE*AMMONIUM*PHOSPHORUS*POTASSIUM*CALCIUM*SODIUM*	CA20NLR -72B0183- -
TREATMENT	ZUM REINIGUNGSEFFEKT DER ABWASSERLANDBEHANDLUNG IN BIOLOGISCH-HYGIENISCHER SICHT (BIOLOGICO-HYGIENIC ASPECTS OF PURIFICATION EFFICIENCY IN SEWAGE DISPOSAL BY LAND TREATMENT). *COLIFORM*LEACHING*	CA20NLR -72B0170- -
TREATMENT	CATTLESKIN TANNERY WASTE TREATMENT IN A COMPLETELY MIXED ACTIVATED SLUDGE PILOT PLANT. *CHROMIUM*REMOVAL*	CA20NLR -72B0184- -
TREATMENT	CHEMICAL PROPERTIES OF DIGESTED SLUDGES AND THEIR USEFUL APPLICATION IN WASTE TREATMENT. *EXCHANGE CAPACITY*COLENT*CYANIDE*	CA20NLR -72B0173- -
TREATMENT	RESPIRATORY RELATIONS OF A SYMBIOTIC ALGAL-BACTERIAL CULTURE FOR WASTE WATER NUTRIENT REMOVAL. *ACTIVATED*SLUDGE*CHLORELLA*SEWAGE*TREATMENT*	CA20NLR -72B0175- -
TREATMENT	WASSERGUTEUNTERSUCHUNGEN VON INDUSTRIELLEN ABWASSERN FÜR DIE ABWASSERLANDBEHANDLUNG (STUDIES ON WATER QUALITY OF INDUSTRIAL SEWAGE IN THE LIGHT OF SEWAGE DISPOSAL BY LAND TREATMENT. *HUNGARY*SODIUM*SALTS*	CA20NLR -72B0451- -
TREATMENT	SOIL SYSTEMS FOR LIQUID WASTE TREATMENT AND DISPOSAL: ENVIRONMENTAL FACTORS.	CA20NLR -72B0473- -
TREATMENT	DEVELOPMENT AND PRESENT CONDITION OF SEWAGE TREATMENT AND UTILIZATION IN REPLIN. *IRRIGATION*HYGIENE*	CA20NLR -72B0437- -
TREATMENT	UTILIZATION OF NITROGEN-CONTAINING COMPOUNDS FOR THE BIOSYNTHESIS OF PROTEIN IN SECONDARY TREATMENT.	CA20NLR -72B0497- -
TREATMENT	EFFECTS OF TREATMENT PLANT EFFLUENT ON SOIL PROPERTIES.	CA20NLR -72B0495- -
TREATMENT	A REVIEW OF THE LITERATURE OF 1958 ON SEWAGE, WASTE TREATMENT, AND WATER POLLUTION.	CA20NLR -72B0500- -
TREATMENT	THE EFFECT OF SEWAGE TREATMENT ON VIRUSES. *SLUDGE*	CA20NLR -72B0496- -
TREATMENT	A CRITICAL REVIEW OF THE LITERATURE OF 1951 ON SEWAGE, WASTE TREATMENT AND WATER POLLUTION.	CA20NLR -72B0481- -
TREATMENT	COMPOSTING TREE BARK WITH SEWAGE.	CA20NLR -72B0078- -

TREES	EFFECT OF ALUMINUM AND MANGANESE ON SEED GERMINATION AND SEEDLING GROWTH OF DIFFERENT TYPES OF TREES.	CA2ONLP -7280301- -
TRICKLING	PHOSPHORUS REMOVAL FROM WASTE WATER BY DIRECT DOSING OF ALUMINATE TO A TRICKLING FILTER.	CA2ONLP -7280207- -
TRIVALENT	INFLUENCE OF TRIVALENT CHROMIUM ON THE BIOLOGICAL TREATMENT OF DOMESTIC SEWAGE. *DIGESTION*	CA2ONLP -7280056- -
TRUCK	STUDIES ON THE USE OF SEWAGE EFFLUENT FOR IRRIGATION FOR TRUCK CROPS. *SALMONELLA*ASCAPT*ENDAMOEA COLI*	CA2ONLR -7280109- -
TRUCK	THE IRRIGATION OF TRUCK CROPS WITH SEWAGE CONTAMINATED WATER. *SALMONELLA*TYPHUS*AMOEBA*ASCARIS*HELMINTHS*	CA2ONLR -7280108- -
TUBERCULOSIS	LITERATURE REVIEW ON THE OCCURRENCE AND SURVIVAL OF ENTERIC, PATHOGENIC, AND RELATIVE ORGANISMS IN SOIL, WATER, SEWAGE AND SLUDGES, AND ON VEGETATION. I. BACTERIAL AND VIRUS DISEASES. *COLIFORM*TYPHOSA*TUBERCULOSIS*	CA2ONLR -7280480- -
TUBERCULOSIS	EFFECTS OF SEWAGE ON CATTLE AND GARBAGE ON PIGS. *TUBERCULOSIS*	CA2ONLR -7280519- -
TUCSON	SEWAGE FARMING AT TUCSON. *IRRIGATION*	CA2ONLR -7280061- -
TYPHOSA	EFFECTIVENESS OF HIGH PH FOR DESTRUCTION OF PATHOGENS IN RAW SLUDGE FILTER CAKE. *BACTERIA*SALMONELLA TYPHOSA* LIME*COLIFORM*	CA2ONLR -7280101- -
TYPHOSA	LITERATURE REVIEW ON THE OCCURRENCE AND SURVIVAL OF ENTERIC, PATHOGENIC, AND RELATIVE ORGANISMS IN SOIL, WATER, SEWAGE AND SLUDGES, AND ON VEGETATION. I. BACTERIAL AND VIRUS DISEASES. *COLIFORM*TYPHOSA*TUBERCULOSIS*	CA2ONLP -7280480- -
TYPHOSA	SURVIVAL OF SALMONELLA TYPHOSA DURING ANAEROBIC DIGESTION. *COLIFORM*BACTERIA*	CA2ONLP -7280501- -
TYPHUS	THE IRRIGATION OF TRUCK CROPS WITH SEWAGE CONTAMINATED WATER. *SALMONELLA*TYPHUS*AMOEBA*ASCARIS*HELMINTHS*	CA2ONLR -7280108- -
TYBER	VERSUCHSERGEBNISSE UBER DIE BODENBEHANDLUNG VON ABWASSERSCHLAMMEN DER CHEMISCHEN INDUSTRIE (EXPERIMENTAL RESULTS ON THE LAND TREATMENT OF SEWAGE SLUDGES FROM CHEMICAL INDUSTRIES).	CA2ONLR -7280217- -
UKRAINE	BACTERIAL CONTAMINATION OF SOIL AND VEGETABLES ON FIELDS AFTER SEASONAL SEWAGE IRRIGATION IN THE SOUTHERN UKRAINE. *COLIFORM*	CA2ONLR -7280059- -
UMSTELLUNG	BETRIEBSWIRTSCHAFTLICHE ERGEBNISSE DES STADTISCHEN GUTES DIETERSHEIM MIT DER UMSTELLUNG AUF ABWASSERSCHLAMMVERWERTUNG (RESULTS OF THE FARM MANAGEMENT OF THE MUNICIPAL FARM AT DIETERSHEIM AFTER THE ADAPTION TO THE UTI)	CA2ONLR -7280133- -
UNDERGROUND	FINAL REPORT ON FIELD INVESTIGATION AND RESEARCH ON WASTE WATER RECLAMATION AND UTILIZATION IN RELATION TO UNDERGROUND WATER POLLUTION. *BACTERIA*	CA2ONLR -7280141- -
UNDERGROUND	UNDERGROUND MOVEMENT OF BACTERIAL AND CHEMICAL POLLUTANTS. *COLIFORM*REVIEW*HYGIENE*SEWAGE*EFFLUENT*	CA2ONLR -7280023- -
UNION	CONVERSION TO ACTIVATED SLUDGE AT UNION CARBIDES INSTITUTE PLANT.	CA2ONLR -7280260- -
UNION	ZUR ENTWICKLUNG DER GANZJAHRIGEN ABWASSERLANDBEHANDLUNG IN DER SOWJETUNION IN THE SOVIET UNION).	CA2ONLR -7280295- -
UNIVERSITY	NORTHWESTERN UNIVERSITY SOIL ENRICHMENT RECLAMATION PROJECT. *LEACHING*NITRATE*NITRITE*NITROGEN*	CA2ONLR -7280159- -
UNSATURATED	DEGRADATION OF ARS AND OTHER ORGANICS IN UNSATURATED SOILS.	CA2ONLR -7280355- -
UNTERBRINGUNG	UNTERBRINGUNG VON LANDWIRTSCHAFTLICHEN UND KOMMUNALEN ABFALLSTOFFEN IM BODEN. (LAND DISPOSAL OF AGRICULTURAL AND MUNICIPAL WASTE).	CA2ONLR -7280467- -
UNTERSUCHUNGEN	BODENHYGIENISCHE UNTERSUCHUNGEN IN ABWASSERVERWERTUNGSGEBIETEN (SOIL-HYGIENIC STUDIES IN SEWAGE-DISPOSAL AREAS).	CA2ONLP -7280309- -
UNTERSUCHUNGEN	MIKROBIOLOGISCHE UNTERSUCHUNGEN IM ABWASSERFAULSCHLAMM- VERSUCH DIETERSHEIM (MICROBIOLOGICAL ANALYSES IN THE DIETERSHEIM TEST ON DIGESTED SEWAGE SLUDGE).	CA2ONLR -7280300- -
UNTREATED	EFFECT OF UNTREATED, MECHANICALLY PURIFIED, AND BIOLOGICALLY TREATED SEWAGE ON FIELD YIELD. *NITROGEN*PHOSPHORUS*POTASSIUM*	CA2ONLP -7280153- -

UPRAWNYCH	WYNIKI DOŚWIADCZEŃ Z NAWODNIENIEM POŚLIN UPRAWNYCH MIEJSKIMI WODAMI SCIEKOWYMI SYSTEMEM SMUŻNYM I BRUZOOWYM W KAMIENIU WROCŁAWSKIM. (RESULTS OF TRIALS IN KAMENIEC WROCŁAWSKI AND IRRIGATION OF CROPS WITH SEWAGE).	CA2ONLR -7280255- -
UPTAKE	CHANGES IN THE ZINC DISTRIBUTION WITHIN THREE SOILS AND ZINC UPTAKE BY FIELD BEANS CAUSED BY DECOMPOSING ORGANIC MATTER.	CA2ONLR -7280013- -
URPAH	UTILIZATION OF URBAN WASTES IN CROP PRODUCTION. *CARRIAGE*SLUDGE*BORON*COPPER*LEAD*MANGANESE*ZINC*NICKEL*CHROMIUM*CADMIUM*EFFLUENT*	CA2ONLR -7280021- -
URSACHEN	EIN BEITRAG ZUR DEN URSACHEN DER PSEUDOMUCHEIT VON BODEN (CAUSES OF SEWAGE SICKNESS IN SOILS). *IRON*ZINC*COPPER*TOXICITY*CYANIDE*LIMIT*CYANAMIDE*	CA2ONLR -7280357- -
USAGE	AGRICULTURAL USAGE OF SEWAGE OF THE TOWN OF ZORY. *NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*MANGANESE*IRON*CHLORIDES*	CA2ONLR -7280266- -
UTILIZATIONS	POLLUTION *COMPOSTS*WASTE UTILIZATIONS*.	CA2ONLR -7280129- -
UZYTIANIA	WSTĘPNE BADANIA MOŻLIWISCI ZASTOSOWANIA ODPADÓW KOPALNIANYCH OWYCH DO UŻYTIANIA GLEI PIASKOWYCH. II. WPŁYW ODPADÓW NA WZROST I PŁONOWANIE POŚLIN W WARUNKACH POŁOWYCH (PRELIMINARY INVESTIGATIONS ON THE POSSIBILITY OF USING SANDY SOILS IN THE GROWTH OF CROPS IN HALF-CONDITIONS).	CA2ONLR -7280302- -
VANADIUM	THE EFFECT OF FLOODING AND AERATION ON THE MOBILITY OF CERTAIN TRACE ELEMENTS IN SOILS. *LEAD*COPPER*NICKEL*ZINC*COBALT*MANGANESE*CHROMIUM*OXIDATION*REOXIDATION*VANADIUM*MOLYBDENUM*	CA2ONLR -7280134- -
VANADIUM	SPECTROGRAPHIC ANALYSIS OF AIR-DRIED SEWAGE SLUDGE. *ALUMINUM*CALCIUM*IRON*MANGANESE*TITANIUM*BARIUM*COPPER*MANGANESE*SODIUM*NICKEL*TIN*VANADIUM*ZINC*SILVER*ZIRCONIUM*BARON*BERYLLIUM*CHROMIUM*COBALT*GALLIUM*MOLYBDENUM*	CA2ONLR -7280469- -
VANADIUM	TRACE ELEMENTS IN SEWAGE SLUDGE. *ZINC*CHROMIUM*COPPER*NICKEL*TIN*SILVER*RHENIUM*LEAD*MANGANESE*VANADIUM*TOXICITY*	CA2ONLR -7280208- -
VARIABILITY	EFFECT OF CHROME PLATING WASTES ON WARSAW, INDIANA, SEWAGE TREATMENT PLANT. *SLUDGE*CHROMIUM*VARIABILITY*SAMPLING*	CA2ONLR -7280118- -
VARIOUSLY	THE EFFECT OF IRRIGATION WITH TOWN SEWAGE ON VARIOUSLY FERTILIZED MANGEL-WURZEL AND SUNFLOWER GROWN FOR FODDER.	CA2ONLR -7280113- -
VARIOUSLY	THE EFFECT OF IRRIGATION WITH TOWN SEWAGE ON THE PRODUCTION OF VARIOUSLY FERTILIZED WINTER RAPE.	CA2ONLR -7280457- -
VEGETABLES	BACTERIAL CONTAMINATION OF SOIL AND VEGETABLES ON FIELDS AFTER SEASONAL SEWAGE IRRIGATION IN THE SOUTHERN UKRAINE. *COLIFORM*	CA2ONLR -7280059- -
VEGETABLES	INFECTION OF VEGETABLES BY APPLICATION OF DOMESTIC SEWAGE AS ARTIFICIAL RAIN. *COLIFORM*SALMONELLA*VEGETABLES*FRUIT*	CA2ONLR -7280306- -
VEGETABLES	INFECTION OF VEGETABLES BY APPLICATION OF DOMESTIC SEWAGE AS ARTIFICIAL RAIN. *COLIFORM*SALMONELLA*VEGETABLES*FRUIT*	CA2ONLR -7280306- -
VEGETABLES	BACTERIOLOGICAL STUDY OF IRRIGATED VEGETABLES. *COLIFORM*SALMONELLA*ENTEROCOCCI*	CA2ONLR -7280297- -
VEGETABLES	CALIFORNIA REGULATES USE OF SEWAGE FOR CROP IRRIGATION. *VEGETABLES*FRUIT*FORAGE*GRAIN*CORN*PACTERIA*	CA2ONLR -7280360- -
VEGETABLES	INVESTIGATIONS ON THE SPREAD OF BACTERIA CAUSED BY IRRIGATION WITH WASTE WATER. *VEGETABLES*COLIFORM*SALMONELLA*	CA2ONLR -7280358- -
VEGETABLES	CONTAMINATION OF VEGETABLES GROWN IN POLLUTED SOIL. II. FIELD AND LABORATORY STUDIES ON ENDAMBEA CYSTS. *SEWAGE*	CA2ONLR -7280348- -
VEGETABLES	CONTAMINATION OF VEGETABLES GROWN IN POLLUTED SOIL. V. HELMINTHIC DECONTAMINATION. *ASCARIS*SEWAGE*	CA2ONLR -7280345- -
VEGETABLES	CONTAMINATION OF VEGETABLES GROWN IN POLLUTED SOIL: I. BACTERIAL CONTAMINATION. *COLIFORM*SHIGELLA*SALMONELLA*	CA2ONLR -7280349- -
VEGETABLES	CONTAMINATION OF VEGETABLES GROWN IN POLLUTED SOIL. IV. BACTERIAL DECONTAMINATION. *COLIFORM*SEWAGE*	CA2ONLR -7280346- -

VEGETATION	CONTAMINATION OF VEGETABLES GROWN IN POLLUTED SOIL. III. FIELD STUDIES ON ASCARIS EGGS. *HELMINTHS*SEWAGE*	CA20NLR -7280347- -
VEGETATION	CONTAMINATION OF VEGETABLES GROWN IN POLLUTED SOIL: VI. APPLICATION OF RESULTS.	CA20NLR -7280344- -
VEGETATION	EFFECTS ON VEGETATION OF IRRIGATION WITH WASTE TREATMENT EFFLUENTS AND POSSIBLE PLANT PATHOGEN-IRRIGATION INTERACTIONS.	CA20NLR -7280007- -
VEGETATION	LITERATURE REVIEW ON THE OCCURRENCE AND SURVIVAL OF ENTERIC, PATHOGENIC, AND RELATIVE ORGANISMS IN SOIL, WATER, SEWAGE AND SLUDGES, AND ON VEGETATION. I. BACTERIAL AND VIRUS DISEASES. *COLIFORM*TYPHOSA*TUBERCULOSIS*	CA20NLR -7280480- -
VEGETATION	LITERATURE REVIEW ON THE OCCURRENCE AND SURVIVAL OF ENTERIC, PATHOGENIC, AND RELATED ORGANISMS IN SOIL, WATER, SEWAGE, AND SLUDGES, AND ON VEGETATION. II. ANIMAL PARASITES. *ENDAMOEBAS*HELMINTHS*ASCARIS*	CA20NLR -7280479- -
VEGETATION	CHANGES IN WOODLAND VEGETATION AND SOILS AFTER SPRAYING LARGE AMOUNTS OF WASTE WATER.	CA20NLR -7280534- -
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VERSUCH	MIKROBIOLOGISCHE UNTERSUCHUNGEN IM ABWASSERFAULSCHLAMM-VERSUCH DIETERSHEIM (MICROBIOLOGICAL ANALYSES IN THE DIETERSHEIM TEST ON DIGESTED SEWAGE SLUDGE).	CA20NLR -7280300- -
VERSUCHSERGEBNISSE	VERSUCHSERGEBNISSE ÜBER DIE BODENBEHANDLUNG VON ABWASSERSCHLAMMEN DER CHEMISCHEN INDUSTRIE (EXPERIMENTAL RESULTS ON THE LAND TREATMENT OF SEWAGE SLUDGES FROM CHEMICAL INDUSTRIES).	CA20NLR -7280217- -
VERWENDUNG	ZUR VERWENDUNG VON STADTKOMPOSTEN IM ZIERPFLANZENBAU (USE OF MUNICIPAL WASTE COMPOSTS IN ORNAMENTAL PLANT GROWING).	CA20NLR -7280415- -
VERWERTUNG	MOGLICHKEITEN DER LANDWIRTSCHAFTLICHEN VERWERTUNG VON AUSGEFALTEN SCHLAMMEN (POSSIBILITIES FOR AGRICULTURAL UTILIZATION OF FERMENTED SLUDGE).	CA20NLR -7280219- -
VERWERTUNG	DIE LANGJÄHRIGE VERWERTUNG VON ABWASSERFAULSCHLAMM IN EINEM VIEHLOS BEWIRTSCHAFTETEN BETRIEB UND IHRE AUSWIRKUNGEN AUF DIE EIGENSCHAFTEN UND LEISTUNGEN DER BODEN.	CA20NLR -7280179- -
VICINITY	PUBLIC HEALTH ASPECTS OF THE CONTAMINATION OF GROUNDWATER IN THE VICINITY OF DIRBY COLORADO.	CA20NLR -7280511- -
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VIRIOLOGY	THE VIRIOLOGY OF WASTE WATER TREATMENT.	CA20NLR -7280036- -
VIRUS	VIRUS CONTROL AT THE SANTEE, CALIF. PROJECT. *COLIFORM*STREPTOCOCCI*BACTERIA*SEWAGE*EFFLUENT*RECREATION*REOVIRUS*POLIOVIRUS*ECHOVIRUS*ADENOVIRUS*	CA20NLR -7280070- -
VIRUS	VIRUS INACTIVATION ON CLAY PARTICLES IN NATURAL WATERS.	CA20NLR -7280060- -
VIRUS	SOLID WASTE/DISEASE RELATIONSHIPS, A LITERATURE SURVEY. *BACTERIA*PROTOZOA*VIRUS*FUNGUS*HELMINTHS*	CA20NLR -7280189- -
VIRUS	VIRUS MOVEMENT IN GROUNDWATER.	CA20NLR -7280172- -
VIRUS	EFFECTIVENESS OF WATER TREATMENT PROCESSES IN VIRUS REMOVAL.	CA20NLR -7280212- -
VIRUS	A SURVEY OF THE PATHOGENIC ORGANISMS AND HELMINTHIC OVA IN COMPOSTS AND SEWAGE SLUDGE. *COLIFORM*BACTERIA*SALMONELLA*VIRUS*	CA20NLR -7280225- -
VIRUS	REMOVAL OF ENTEROVIRUSES FROM SEWAGE BY ACTIVATED SLUDGE. *POLIO*VIRUS*COXSACKIE*BACTERIOPHAGE*	CA20NLR -7280489- -
VIRUS	LITERATURE REVIEW ON THE OCCURRENCE AND SURVIVAL OF ENTERIC, PATHOGENIC, AND RELATIVE ORGANISMS IN SOIL, WATER, SEWAGE AND SLUDGES, AND ON VEGETATION. I. BACTERIAL AND VIRUS DISEASES. *COLIFORM*TYPHOSA*TUBERCULOSIS*	CA20NLR -7280480- -
VIRUS	VIRUS STUDIES ON THE WINHOCK WASTEWATER RECLAMATION PLANT (SOUTHWEST AFRICA). *ENTEROVIRUS*REOVIRUS*ECHOVIRUS*COLIFORM*BACTERIA*	CA20NLR -7280294- -

VIRUS	COMPOSTING DEWATERED SEWAGE SLUDGE. *LIME*FERRIC CHLORIDE*SALMONELLA*ASCAPIS*POLIOVIRUS*CANIDIA*VIRUS*YEASTS*	CA20NLR -7280325- -
VIRUS	AGRICULTURAL BENEFITS AND ENVIRONMENTAL CHANGES RESULTING FROM THE USE OF DIGESTED SEWAGE SLUDGE ON FIELD CROPS. *NITROGEN*PHOSPHORUS*POTASSIUM*CHROMIUM*CADMIUM*COPPER*LEAD*MANGANESE*NICKEL*ZINC*COLIFORM*VIRUS*	CA20NLR -7280540- -
VIRUSES	ABSORPTION AND TRANSLOCATION OF MAMMALIAN VIRUSES BY PLANTS.II. RECOVERY AND DISTRIBUTION OF VIRUSES IN PLANTS. *POLIOVIRUS*ENCEPHALOMYELITIS*	CA20NLR -7280528- -
VIRUSES	ABSORPTION AND TRANSLOCATION OF MAMMALIAN VIRUSES BY PLANTS. I. SURVIVAL OF MOUSE ENCEPHALOMYELITIS AND POLIO MYELITIS VIRUSES IN SOIL AND PLANT ROOT ENVIRONMENT. *POLIOVIRUS*ENCEPHALOMYELITIS*PH*	CA20NLR -7280527- -
VIRUSES	ABSORPTION AND TRANSLOCATION OF MAMMALIAN VIRUSES BY PLANTS. I. SURVIVAL OF MOUSE ENCEPHALOMYELITIS AND POLIO MYELITIS VIRUSES IN SOIL AND PLANT ROOT ENVIRONMENT. *POLIOVIRUS*ENCEPHALOMYELITIS*PH*	CA20NLR -7280527- -
VIRUSES	ABSORPTION AND TRANSLOCATION OF MAMMALIAN VIRUSES BY PLANTS.II. RECOVERY AND DISTRIBUTION OF VIRUSES IN PLANTS. *POLIOVIRUS*ENCEPHALOMYELITIS*	CA20NLR -7280528- -
VIRUSES	REMOVAL OF ENTERIC VIRUSES FROM SEWAGE BY ACTIVATED SLUDGE TREATMENT. *POLIOVIRUS*COXSACKIE*COLIFORM*BACTERIA*STREPTOCOCCI*	CA20NLR -7280561- -
VIRUSES	BIOLOGY OF SOIL-BORNE VIRUSES.	CA20NLR -7280256- -
VIRUSES	THE EFFECT OF SEWAGE TREATMENT ON VIRUSES. *SLUDGE*	CA20NLR -7280496- -
VIRUSES	ISOLATION OF ENTERIC VIRUSES AND SALMONELLA FROM SEWAGE. *POLIO*COXSACKIE*ECHO*COLIFORM*ENTEROCOCCI*	CA20NLR -7280487- -
VIRUSES	THE TRANSPORT OF WATER-BORNE VIRUSES IN SOIL.	CA20NLR -7280054- -
VIRUSES	SURVIVAL OF PATHOGENS AND RELATED DISEASE HAZARDS. *BACTERIA*SPIROCHETES*PROTOZOA*HELMINTHS*VIRUSES*REVIEW*	CA20NLR -7280107- -
VITAMIN	LIQUID SLUDGE-THE VITAMIN B FERTILIZER.	CA20NLR -7280095- -
VITAMINS	OBSERVATIONS ON SOME MINERALS AND 3 VITAMINS IN SEWAGE AND SLUDGES. *PHOSPHORUS*SULFATE*SULFIDE*IRON*CALCIUM*MAGNESIUM*ZINC*CHROMIUM*NICKEL*MOLYBDENUM*COBALT*	CA20NLR -7280478- -
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VOLATILE	ELECTRODE POTENTIALS DEVELOPED DURING SLUDGE DIGESTION. *METHANE*PH*VOLATILE ACIDS*	CA20NLR -7280548- -
VOLATILIZATION	THE EFFECT OF LIQUID SLUDGE ON GROWTH AND CHEMICAL COMPOSITION OF COASTAL BERMUDAGRASS AND RYE AND ON SOIL PROPERTIES, AMMONIA VOLATILIZATION, AND NITRATE LEACHING.	CA20NLR -7280171- -
VOLGA	EFFECT OF IRRIGATION BY SEWAGE FROM VOLGA CHEMISTRY ENTERPRISES ON AGROMELIORATIVE INDEXES OF FINE-LOAMY LIGHT-CHESNUT SOILS.	CA20NLR -7280258- -
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WARSZAWA	WSTEPNE BADANIA MOZLIWOSC ZASTOSOWANIA ODPADOW KOPALNIANYCH GWYCH DO UZYZNIAANIA GLE PIASKOWYCH.II. WPLYW ODPADOW NA WZROST I PLONOWANIE ROSLIN W WARSZAWIE POLOWYCH (PRELIMINARY INVESTIGATIONS ON THE POSSIBILITY OF USING COASTAL BERMUDAGRASS(CYNODON DACTYLON L. PERS). *NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*MAGNESIUM*	CA20NLR -7280302- -
WASSERGUTE-UNTERSUCHUNGEN	WASSERGUTE-UNTERSUCHUNGEN VON INDUSTRIELLEN ABWASSERN FUR DIE ABWASSERLANDBEHANDLUNG (STUDIES ON WATER QUALITY OF INDUSTRIAL SEWAGE IN THE LIGHT OF SEWAGE DISPOSAL BY LAND TREATMENT. *HUNGARY*SODIUM*SALTS*	CA20NLR -7280451- -
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WASTE	A REVIEW OF THE LITERATURE OF 1990 ON SEWAGE, WASTE TREATMENT, AND WATER POLLUTION.	CA2ONLR -7280500- -
WASTE	DISPOSAL OF MUNICIPAL WASTE WATER THROUGH FOREST IRRIGATION. *PENNSYLVANIA*NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*MAGNESIUM*MANGANESE*IRON*COPPER*PORTLAND CEMENT*ALUMINUM*ZINC*SODIUM*SEWAGE*	CA2ONLR -7280502- -
WASTE	STATE OF THE DEHYDROGENASE ACTIVITY OF AQUATIC BACTERIA, THEIR GROWTH, AND B.O.D. UNDER CONDITIONS INVOLVING THE ACTION OF INORGANIC MATTER CONTAINED IN INDUSTRIAL WASTE WATERS. *CADMIUM*COPPER*COBALT*NICKEL*ZINC*	CA2ONLR -7280410- -
WASTE	THE USE OF ORGANIC WASTE IN HORTICULTURE AND AGRICULTURE.	CA2ONLR -7280394- -
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WASTE	AEROBIC HETEROTROPHIC BACTERIAL POPULATIONS OF SEWAGE AND ACTIVATED SLUDGE. III. ADAPTATION IN A SYNTHETIC WASTE.	CA2ONLR -7280270- -
WASTE	METAL CONTENT IN SLUDGE FROM WASTE WATER TREATMENT PLANTS IN THE SURROUNDINGS OF COPENHAGEN. *CHROMIUM*MANGANESE*NICKEL*COBALT*ZINC*CADMIUM*COPPER*LEAD*IRON*	CA2ONLR -7280281- -
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WASTE	MICROBIAL AND CHEMICAL STUDY OF SEWAGE AND INDUSTRIAL WASTE.	CA2ONLR -7280318- -
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WASTE	DIE NACHWIRKUNG VON SCHWERMETALLHALTIGEM ABWASSER-KLARSCHLAMM IN EINEM FELDVERSUCH (THE AFTER-EFFECT OF THE TREATED SLUDGE OF WASTE WATER CONTAINING HEAVY METAL IN A FIELD TEST).	CA2ONLR -7280336- -
WASTE	FACTORS INFLUENCING THE DESIGN AND OPERATION OF SOIL SYSTEMS FOR WASTE TREATMENT. *LEACHING*NITRATE*NITRITE*AMMONIUM*ARSENIC*COLIFORM*BACTERIA*COD*ROD*	CA2ONLR -7280356- -
WASTE	INVESTIGATIONS ON THE SPREAD OF BACTERIA CAUSED BY IRRIGATION WITH WASTE WATER. *VEGETABLES*COLIFORM*SALMONELLA*	CA2ONLR -7280358- -
WASTE	IRRIGATION WITH WASTE WATER. *TOXICITY*	CA2ONLR -7280383- -
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WASTE	THE VIRILITY OF WASTE WATER TREATMENT.	CA20NLP -7280035- -
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WASTE	STUDIES OF WASTE WATER RECLAMATION AND UTILIZATION. *REVIEW*CALCIUM*MAGNESIUM*SODIUM*POTASSIUM*AMMONIUM*SULFUR*NITRATE*BORON*CONDUCTIVITY*CALIFORNIA*	CA20NLP -7280024- -
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WASTE	FINAL REPORT ON FIELD INVESTIGATION AND RESEARCH ON WASTE WATER RECLAMATION AND UTILIZATION IN RELATION TO UNDERGROUND WATER POLLUTION. *BACTERIA*	CA20NLP -7280141- -
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WASTES	UTILIZATION OF URBAN WASTES IN CROP PRODUCTION. *GARBAGE*SLUDGE*BORON*COPPER*LEAD*MANGANESE*ZINC*NICKEL*CHROMIUM*CADMIUM*EFFLUENT*	CA20NLP -7280021- -
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WASTE	UTILIZATION OF MICRO GREEN ALGAE IN TREATMENT OF INDUSTRIAL WASTES OR POLLUTED WATER. III. RESISTANCE OF LIVE CHLOROPHYLLA IN POLLUTED WATER TO TOXICITY OF SOME HEAVY METALS.	CA20NLP -7280375- -
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WASTEWATER	A STUDY OF WASTEWATER IRRIGATION THROUGH COMPUTER SIMULATION.	CA20NLP -7280099- -
WASTEWATER	A REVIEW OF LITERATURE OF 1967 ON WASTEWATER AND WATER POLLUTION CONTROL - WASTEWATER TREATMENT - SLUDGE TREATMENT DISPOSAL AND UTILIZATION.	CA20NLP -7280086- -
WASTEWATER	A REVIEW OF LITERATURE OF 1967 ON WASTEWATER AND WATER POLLUTION CONTROL - WASTEWATER TREATMENT - SLUDGE TREATMENT DISPOSAL AND UTILIZATION.	CA20NLP -7280086- -
WASTEWATER	PUBLIC ATTITUDES TOWARD USES OF RECLAIMED WASTEWATER.	CA20NLP -7280030- -
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WASTEWATER	IRRIGATION WITH RECLAIMED WASTEWATER.	CA20NLP -7280168- -
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WASTEWATER	DEGRADATION OF WASTEWATER ORGANICS IN SOIL.	CA20NLP -7280517- -
WATER	CHANGES IN WOODLAND VEGETATION AND SOILS AFTER SPRAYING LARGE AMOUNTS OF WASTE WATER.	CA20NLP -7280534- -
WATER	A REVIEW OF THE 1969 LITERATURE ON WASTEWATER AND WATER POLLUTION CONTROL. *REVIEW*SLUDGE*LAND*PHOSPHORUS*LIME*ALUM*ANALYTICAL*	CA20NLP -7280523- -
WATER	ISOLATION OF POTENTIALLY PATHOGENIC FUNGI FROM POLLUTED WATER AND SEWAGE. *ASPERGILLUS*BOTRYTIS*FUSARIUM*	CA20NLP -7280554- -
WATER	FEASIBILITY OF RADIOISOTOPE X-RAY FLUORESCENCE ANALYSIS FOR MEASURING WATER POLLUTION BY METALS. *ANALYTICAL*IRON*COBALT*LEAD*ZINC*MERCURY*CADMIUM*	CA20NLP -7280169- -

WATER	REVIEW OF LITERATURE OF 1967 ON WASTEWATER AND WATER POLLUTION CONTROL - WASTEWATER TREATMENT - SLUDGE TREATMENT DISPOSAL AND UTILIZATION.	CA20NLR -7280086- -
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WATER	WATER ANALYSIS. *ANALYTICAL*METALS*HARDNESS*NITROGEN*COD*P*PHOSPHORUS*BOD*	CA20NLR -7280123- -
WATER	SALMONELLA IN IRRIGATION WATER.	CA20NLR -7280105- -
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WATER	SIGNIFICANCE OF MINERALS IN WASTE-WATER.	CA20NLR -7280284- -
WATER	USE OF SOIL LYSIMETERS IN WASTE WATER RECLAMATION STUDIES. *SEWAGE*	CA20NLR -7280287- -
WATER	METAL CONTENT IN SLUDGE FROM WASTE WATER TREATMENT PLANTS IN THE SURROUNDINGS OF COPENHAGEN. *CHROMIUM*MANGANESE*NICKEL*COBALT*ZINC*CADMIUM*COPPER*LEAD*IRON*	CA20NLR -7280281- -
WATER	ROLE OF ANIMAL WASTES IN AGRICULTURAL LAND RUNOFF. *WATER*POLLUTION*	CA20NLR -7280296- -
WATER	RECLAMATION OF WATER FROM SEWAGE AND INDUSTRIAL WASTES IN LOS ANGELES COUNTY.	CA20NLR -7280241- -
WATER	THE EFFECT OF SEWAGE WATER ON THE YIELD AND QUALITY OF GRASSLAND.	CA20NLR -7280235- -
WATER	WATER AND NUTRIENT BALANCE OF A PASTURE ON A LIGHT SOIL IRRIGATED WITH MUNICIPAL SEWAGE, BASED ON LYSIMETRIC EXPERIMENTS.	CA20NLR -7280237- -
WATER	WATER RECLAMATION AND REFUSE DISPOSAL. - A REPORT ON THE 13TH ANNUAL CONFERENCE OF THE CALIF. SEWAGE AND INDUSTRIAL WASTES ASSOC.	CA20NLR -7280239- -
WATER	REPORT ON CONTINUED STUDY OF WASTE WATER RECLAMATION AND UTILIZATION.	CA20NLR -7280315- -
WATER	PUBLIC HEALTH ASPECTS OF WASTE WATER UTILIZATION IN ISRAEL.	CA20NLR -7280322- -
WATER	DIE NACHWIRKUNG VON SCHWERMETALLHALTIGEM ABWASSER-KLARSCHLAMM IN EINEM FELDOVERSUCH (THE AFTER-EFFECT OF THE TREATED SLUDGE OF WASTE WATER CONTAINING HEAVY METAL IN A FIELD TEST).	CA20NLR -7280336- -
WATER	IRRIGATION WITH WASTE WATER. *TOXICITY*	CA20NLR -7280383- -
WATER	INVESTIGATIONS ON THE SPREAD OF BACTERIA CAUSED BY IRRIGATION WITH WASTE WATER. *VEGETABLES*COLIFORM*SALMONELLA*	CA20NLR -7280358- -
WATER	UTILIZATION OF MICRO GREEN ALGAE FOR TREATMENT OF INDUSTRIAL WASTES OR POLLUTED WATER. III. RESISTANCE OF LIVE CHLORELLA IN POLLUTED WATER TO TOXICITY OF SOME HEAVY METALS.	CA20NLR -7280375- -
WATER	STUDY OF WASTE WATER RECLAMATION AND UTILIZATION.	CA20NLR -7280374- -
WATER	UTILIZATION OF MICRO GREEN ALGAE FOR TREATMENT OF INDUSTRIAL WASTES OR POLLUTED WATER. III. RESISTANCE OF LIVE CHLORELLA IN POLLUTED WATER TO TOXICITY OF SOME HEAVY METALS.	CA20NLR -7280375- -
WATER	DIE STELLUNG DER ABWASSERREINIGUNG ALS REGELMÄSSIGE DER ABWASSERREINIGUNG UND VORBEREITUNG ZU IHRER WEITERENTWICKLUNG IN DER DDR. (SEWAGE DISPOSAL BY LAND TREATMENT---A REGULAR METHOD OF WATER PURIFICATION, ITS	CA20NLR -7280354- -

		CA20NLR -7280481- -
	A CRITICAL REVIEW OF THE LITERATURE OF 1951 ON SEWAGE, WASTE TREATMENT AND WATER POLLUTION.	CA20NLR -7280480- -
WATER	LITERATURE REVIEW ON THE OCCURRENCE AND SURVIVAL OF ENTERIC, PATHOGENIC, AND RELATIVE ORGANISMS IN SOIL, WATER, SEWAGE AND SLUDGES, AND IN VEGETATION. I. BACTERIAL AND VIRUS DISEASES. *COLIFORM*TYPHOSA*TUBERCULOSIS*	CA20NLR -7280500- -
WATER	A REVIEW OF THE LITERATURE OF 1950 ON SEWAGE, WASTE TREATMENT, AND WATER POLLUTION.	CA20NLR -7280502- -
WATER	DISPOSAL OF MUNICIPAL WASTE WATER THROUGH FOREST IRRIGATION. *PENNSYLVANIA*NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*MANGNESTUM*MANGANESE*IRON*COPPER*ZINC*ALUMINUM*ZINC*SODIUM*SEWAGE*	CA20NLR -7280509- -
WATER	ANIMAL PARASITES IN SEWAGE AND IRRIGATION WATER. *DENVER*ASCARIS*HELMINTHS*COLIFORM*ENTEROCOCCI*ENDAMOEBAS*	CA20NLR -7280432- -
WATER	EFFECT OF IRRIGATION WITH WASTEWATER ON THE WATER ECONOMY OF THE SOIL.	CA20NLR -7280422- -
WATER	WATER QUALITY FROM THE STANDPOINT OF IRRIGATION. *SODIUM*IRON*DICARBONATE*SALINITY*	CA20NLR -7280479- -
WATER	LITERATURE REVIEW ON THE OCCURRENCE AND SURVIVAL OF ENTERIC, PATHOGENIC, AND RELATED ORGANISMS IN SOIL, WATER, SEWAGE, AND SLUDGES, AND ON VEGETATION. II. ANIMAL PARASITES. *ENDAMOEBAS*HELMINTHS*ASCARIS*	CA20NLR -7280451- -
WATER	WASSERGUTEUNTERSUCHUNGEN VON INDUSTRIELLEN ABWASSERN FUR DIE ABWASSERLANDBEHANDLUNG (STUDIES ON WATER QUALITY OF INDUSTRIAL SEWAGE IN THE LIGHT OF SEWAGE DISPOSAL BY LAND TREATMENT. *HUNGARY*SODIUM*SALTS*	CA20NLR -7280411- -
WATERS	POLLUTION OF IRRIGATION WATERS.	CA20NLR -7280410- -
WATERS	STATE OF THE DEHYDROGENASE ACTIVITY OF AQUATIC BACTERIA, THEIR GROWTH, AND R.O.D. UNDER CONDITIONS INVOLVING THE ACTION OF INORGANIC MATTER CONTAINED IN INDUSTRIAL WASTE WATERS. *CADMIUM*COPPER*COBALT*NICKEL*ZINC*	CA20NLR -7280363- -
WATERS	CONTAMINATION OF SOIL BY EGGS OF HELMINTHS IN FIELDS OF THE CITY OF KEDAINIAI IRRIGATED WITH WASTE WATERS.	CA20NLR -7280393- -
WATERS	PHOSPHORUS IN SEWAGE POLLUTED WATERS SLUDGES AND EFFLUENTS. *REVIEW*NITROGEN*	CA20NLR -7280388- -
WATERS	CHANGE IN SOIL PROPERTIES AS AFFECTED BY IRRIGATION WITH WASTE WATERS.	CA20NLR -7280370- -
WATERS	ON TOXICITY OF WASTE WATERS FROM MINING AND METALLURGICAL INDUSTRIES. *COPPER*LEAD*ZINC*	CA20NLR -7280269- -
WATERS	AN INEXPENSIVE BIOASSAY AIMED AT THE AGRICULTURAL DISPOSAL OF WASTE WATERS. *PLANTS*TOXIC*GERMINATION*	CA20NLR -7280233- -
WATERS	INFLUENCE OF SEWAGE DISPOSAL BY LAND TREATMENT OF WATERS. *POLAND*PHOSPHORUS*REMCAVAL*	CA20NLR -7280060- -
WATERS	VIRUS INACTIVATION ON CLAY PARTICLES IN NATURAL WATERS.	CA20NLR -7280558- -
WATERS	A LABORATORY GUIDE TO FUNGI IN POLLUTED WATERS, SEWAGE, AND SEWAGE TREATMENT SYSTEMS.	CA20NLR -7280354- -
WATERENTWICKLUNG	DIE STELLUNG DER ABWASSERBODENBEHANDLUNG ALS REGELMETHODE DER ABWASSERREINIGUNG UND ERFORDERNISSE ZU IHRER WIRTSCHAFTLICHEN ENTWICKLUNG IN DER DDR. (SEWAGE DISPOSAL BY LAND TREATMENT---A REGULAR METHOD OF WATER PURIFICATION, ITS ECONOMIC DEVELOPMENT IN THE G.D.R.)	CA20NLR -7280338- -
WELL	TECHNISCHE FRAGEN DER GANZJAHRIGEN ABWASSERLANDBEHANDLUNG SOWIE GANZJAHRIGE BEWASSERUNG SCHWERER BODEN MIT KOMPOSTHAUEN ABWASSERN (TECHNICAL QUESTIONS RELATED WITH YEAR-ROUND LAND TREATMENT OF SEWAGE EFFLUENT AS WELL AS YEAR-ROUND IRRIGATION OF HEAVY SOILS WITH SEWAGE COMPOST)	CA20NLR -7280092- -
WHEAT	EFFECT OF CITY SEWAGE EFFLUENT ON THE YIELD AND QUALITY OF GRAIN FROM BARLEY, OATS, AND WHEAT.	CA20NLR -7280369- -
WHEN	PUBLIC HEALTH SIGNIFICANCE OF SEWAGE SLUDGE WHEN USED AS A FERTILIZER.	CA20NLR -7280232- -
WHEN	CHANGES IN AGRICHOCEMICAL AND BIOLOGICAL SOIL PROPERTIES WHEN IRRIGATION WITH SEWAGE IS USED.	CA20NLR -7280329- -
WHY	DISPOSAL OF HIGH ORGANIC CONTENT WASTES ON LAND. *SLUDGE*SULFITE*WHEY*	CA20NLR -7280426- -
WIDESPREAD	EFFECT OF GEOGRAPHICAL FACTORS ON THE WIDESPREAD AGRICULTURAL USE OF SEWAGE. *IRRIGATION*U.S.A.*BRITAIN*POLAND*	CA20NLR -7280427- -
WIELKOPOLSKI	SEWAGE FARMING AT OSTROW WIELKOPOLSKI.	

AD	AD STUDIES ON THE WIMMER WASTE-WATER TREATMENT PLANT (SOUTHWEST AFRICA). *CATEPOVIRUS*REOVIRUS*ECHOVIRUS*	CA20NLR -72B0294- -
AD	AD STUDIES ON THE WIMMER WASTE-WATER TREATMENT PLANT (SOUTHWEST AFRICA). *CATEPOVIRUS*REOVIRUS*ECHOVIRUS*	CA20NLR -72B0029- -
WIMMER	SLUDGE DRYING LAGOONS AT WIMMER.	CA20NLR -72B0457- -
WINTER	THE EFFECT OF IRRIGATION WITH TOWN SEWAGE ON THE PRODUCTION OF VARIOUSLY FERTILIZED WINTER RAPE.	CA20NLR -72B0326- -
WORKING	FÜNFZEHNJAHRIGER FREILANDVERSUCH ZUR WIRKUNG VON MÜLL-UND KLARSCHLAMMKOMPOSTEN, STALLMIST UND STROH AUF ERTRAG, NÄHRSTOFF-UND HUMUSHAUSHALT DES BODENS (A TWELVE-YEAR FIELD TEST ON THE EFFECT OF REFUSE COMPOSTS AND S	CA20NLR -72B0013- -
WITHIN	CHANGES IN THE ZINC DISTRIBUTION WITHIN THREE SOILS AND ZINC UPTAKE BY FIELD BEANS CAUSED BY DECOMPOSING ORGANIC MATTER.	CA20NLR -72B0246- -
WOBIEN	METAL CONTAMINATION OF SOIL IN WOBIEN MARKET-GARDEN EXPERIMENT RESULTING FROM APPLICATION OF SEWAGE SLUDGE. *C	CA20NLR -72B0464- -
WOBIEN	CHALC*CHROMIUM*COPPER*MOLYBDENUM*ICKEL*LEAD*ZINC*	CA20NLR -72B0255- -
WOBIEN	THE WOBIEN MARKET-GARDEN EXPERIMENT: SUMMARY 1944-50.	CA20NLR -72B0534- -
WOBIEN	WYNIKI DOŚWIADCZEŃ Z NAWODNIENIEM ROSLIN UPRAWNYCH MIEJSKIMI WODAMI SCIEKOWYMI SYSTEMEM SMUZYNYM I BRUZZOWYM W KAMIENIEC WROCŁAWSKIM. (RESULTS OF TRIALS IN KAMIENIEC WROCŁAWSKI AND IRRIGATION OF CROPS WITH SEWAGE).	CA20NLR -72B0016- -
WOODLAND	CHANGES IN WOODLAND VEGETATION AND SOILS AFTER SPRAYING LARGE AMOUNTS OF WASTE WATER.	CA20NLR -72B0505- -
WOODLANDS	SPRAY DISPOSAL OF DOMESTIC WASTES. *SODIUM*PASTURE*WOODLANDS*	CA20NLR -72B0080- -
WORK	PUTTING SEWAGE SOLIDS BACK TO WORK.	CA20NLR -72B0243- -
WORKS	GRAZING CATTLE ON SEWAGE FARMS AND DISPOSAL WORKS.	CA20NLR -72B0203- -
WORKS	POTENTIALITIES OF POLAROGRAPHIC TECHNIQUES FOR SEWAGE WORKS ANALYSIS.	CA20NLR -72B0209- -
WORKS	DIE ABWASSERSCHLAMMBESTIGUNG DES MÜNCHENER KLARWERKS GROSSLAPPEN (THE SEWAGE SLUDGE REMOVAL OF THE SEWAGE TREATMENT WORKS OF GROSSLAPPEN NEAR MUNICH).	CA20NLR -72B0405- -
WORKS	DEVELOPMENTS IN SLUDGE TREATMENT AND DISPOSAL AT THE MAPLE LODGE WORKS, ENGLAND.	CA20NLR -72B0302- -
WORLD	COMPOSTING AROUND THE WORLD.	CA20NLR -72B0255- -
WPLYW	WSTĘPNE BADANIA MOŻLIWOŚCI ZASTOSOWANIA ODPADÓW KOPALNIANYCH DWYCH DO UŻYTIENIA GLEBY PIASKOWYCH.II. WPLYW ODPADÓW NA WZROST I PŁODNOŚĆ ROSLIN W WARUNKACH POLSKICH (PRELIMINARY INVESTIGATIONS ON THE POSSIBILITY OF USING COAL WASTE IN AGRICULTURE. II. THE EFFECT OF COAL WASTE ON THE GROWTH AND YIELD OF PLANTS IN POLISH CONDITIONS).	CA20NLR -72B0255- -
WROCŁAWSKI	WYNIKI DOŚWIADCZEŃ Z NAWODNIENIEM ROSLIN UPRAWNYCH MIEJSKIMI WODAMI SCIEKOWYMI SYSTEMEM SMUZYNYM I BRUZZOWYM W KAMIENIEC WROCŁAWSKIM. (RESULTS OF TRIALS IN KAMIENIEC WROCŁAWSKI AND IRRIGATION OF CROPS WITH SEWAGE).	CA20NLR -72B0302- -
WROCŁAWSKIM	WYNIKI DOŚWIADCZEŃ Z NAWODNIENIEM ROSLIN UPRAWNYCH MIEJSKIMI WODAMI SCIEKOWYMI SYSTEMEM SMUZYNYM I BRUZZOWYM W KAMIENIEC WROCŁAWSKIM. (RESULTS OF TRIALS IN KAMIENIEC WROCŁAWSKI AND IRRIGATION OF CROPS WITH SEWAGE).	CA20NLR -72B0113- -
WSTĘPNE	WSTĘPNE BADANIA MOŻLIWOŚCI ZASTOSOWANIA ODPADÓW KOPALNIANYCH DWYCH DO UŻYTIENIA GLEBY PIASKOWYCH.II. WPLYW ODPADÓW NA WZROST I PŁODNOŚĆ ROSLIN W WARUNKACH POLSKICH (PRELIMINARY INVESTIGATIONS ON THE POSSIBILITY OF USING COAL WASTE IN AGRICULTURE. II. THE EFFECT OF COAL WASTE ON THE GROWTH AND YIELD OF PLANTS IN POLISH CONDITIONS).	CA20NLR -72B0257- -
WYKORZYSTANIE	CAŁOROCZNE ROLNICZE WYKORZYSTANIE SCIEKÓW (YEAR-ROUND UTILIZATION OF SEWAGE FOR AGRICULTURAL PURPOSES). *POLAND*FOREST*SLUDGE*	CA20NLR -72B0255- -
WYNIKI	WYNIKI DOŚWIADCZEŃ Z NAWODNIENIEM ROSLIN UPRAWNYCH MIEJSKIMI WODAMI SCIEKOWYMI SYSTEMEM SMUZYNYM I BRUZZOWYM W KAMIENIEC WROCŁAWSKIM. (RESULTS OF TRIALS IN KAMIENIEC WROCŁAWSKI AND IRRIGATION OF CROPS WITH SEWAGE).	CA20NLR -72B0559- -
YEAST	THE CULTIVATION OF YEAST POPULATIONS IN A SEWAGE TREATMENT PLANT.	

YEASTS	COMPOSTING DEWATERED SEWAGE SLUDGE. *LIME*FREE*CHLORIDE*SALMONELLA*ASCARIS*POLIOVIRUS*CANDIDA*VIRUS*YEASTS*	CA20NLR -7280325- -
YEASTS	EFFECTS OF HEAVY METAL IONS ON THE GROWTH OF MICROORGANISMS. *ZINC*NICKEL*COBALT*COPPER*BACTERIA*YEASTS*MOULDS*	CA20NLP -7280018- -
YIELD	EFFECTS OF CITY SEWAGE EFFLUENT ON GRAIN YIELD AND GRAIN MALT QUALITY OF FALL-SOWN, IRRIGATED BARLEY.	CA20NLR -7280094- -
YIELD	EFFECT OF CITY SEWAGE EFFLUENT ON THE YIELD AND QUALITY OF GRAIN FROM BARLEY, OATS, AND WHEAT.	CA20NLP -7280092- -
YIELD	THE EFFECT OF APPLICATION OF DIFFERENT DUNGS AND WASTE MATERIALS ON CROP YIELD.	CA20NLR -7280053- -
YIELD	EFFECT OF UNTREATED, MECHANICALLY PURIFIED, AND BIOLOGICALLY TREATED SEWAGE ON FIELD YIELD. *NITROGEN*PHOSPHORUS*POTASSIUM*	CA20NLP -7280153- -
YIELD	THE EFFECT OF SEWAGE WATER ON THE YIELD AND QUALITY OF GRASSLAND.	CA20NLR -7280235- -
YIELD	EFFECT OF DIFFERENT PUTREFYING WASTE-WATER SLUDGE APPLICATIONS ON THE WATER-STORAGE CAPACITY AND YIELD OF A SANDY SOIL.	CA20NLR -7280182- -
YIELDS	EFFECT OF IRRIGATION WITH SEWAGE EFFLUENT ON THE YIELDS AND ESTABLISHMENT OF NAPIER GRASS AND JAPANESE CANE. *NITROGEN*	CA20NLR -7280386- -
YIELDS	EFFECT OF FILTER-PRESS CAKE ON CROP YIELDS AND SOIL PROPERTIES.	CA20NLP -7280079- -
YIELDS	THE EFFECT OF SEWAGE SLUDGE, COMPOSTED REFUSE AND AMMONIA LIQUOR ON CABBAGE YIELDS.	CA20NLP -7280340- -
YORK	UTILIZATION OF SEWAGE SLUDGE FROM THE PRODUCT OF TOPSOIL. *NEW YORK*SEA TRANSPORT*	CA20NLR -7280337- -
YORK	NEW YORK SLUDGE GOES TO SEA - OR TO PARKS.	CA20NLR -7280485- -
ZASTOSOWANIA	WSTERNIE BADANIA MOZLIWOSC ZASTOSOWANIA ODPADOW KOPALNIANYCH DWYCH DO UZYSNIANIA GLE PIASKOWYCH.II. WPLYW ODPADOW NAWZROST I PLONOWANIE ROSLIN W WARUNKACH POLOWYCH (PRELIMINARY INVESTIGATIONS ON THE POSSIBILITY OF USING SEWAGE SLUDGE AS FERTILIZER FOR PLANTS IN SANDY SOILS)	CA20NLR -7280302- -
ZINC	POLAROGRAPHIC DETERMINATION OF METALS IN SEWAGE AND SEWAGE SLUDGES. *ANALYTICAL*COPPER*IRON*CHROMIUM*CADMIUM*NICKEL*ZINC*	CA20NLR -7280277- -
ZINC	METAL CONTENT IN SLUDGE FROM WASTE WATER TREATMENT PLANTS IN THE SURROUNDINGS OF COPENHAGEN. *CHROMIUM*MANGANESE*NICKEL*COBALT*ZINC*CADMIUM*COPPER*LEAD*IRON*	CA20NLR -7280281- -
ZINC	SEWAGE SLUDGE AS FERTILIZER. *NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*LEAD*MAGNESIUM*COPPER*IRON*ALUMINUM*ZINC*ARSENIC*BARIUM*SULFUR*MANGANESE*BISMUTH*CHLORINE*TOLEDO*	CA20NLR -7280299- -
ZINC	THE EFFECTS OF TRACE ELEMENTS ON THE EXHAUSTION OF SEWAGE-IRRIGATED LAND. *FRANCE*GERMANY*COPPER*ZINC*TOXICITY*MANGANESE*SODIUM*COBALT*MOLYBDENUM*BORON*	CA20NLP -7280352- -
ZINC	COMPLEX REACTIONS OF ZINC WITH ORGANIC MATTER EXTRACTED FROM SEWAGE SLUDGE. *PH*	CA20NLP -7280371- -
ZINC	"MILORGANITE" AS A SOURCE OF MINOR NUTRIENT ELEMENTS FOR PLANTS. *BORON*COPPER*MANGANESE*ZINC*	CA20NLR -7280361- -
ZINC	EIN BEITRAG ZUR DEN URSACHEN DER FIESELMUDIGKEIT VON BODEN (CAUSES OF SEWAGE SICKNESS IN SOILS). *IRON*ZINC*COBALT*TOXICITY*CYANIDE*LIME*CYANAMIDE*	CA20NLP -7280357- -
ZINC	ON TOXICITY OF WASTE WATERS FROM MINING AND METALLURGICAL INDUSTRIES. *COPPER*LEAD*ZINC*	CA20NLR -7280370- -
ZINC	METAL CONTAMINATION OF SOIL IN WOBURN MARKET-GARDEN EXPERIMENT RESULTING FROM APPLICATION OF SEWAGE SLUDGE. *COBALT*CHROMIUM*COPPER*MOLYBDENUM*NICKEL*LEAD*ZINC*	CA20NLR -7280246- -
ZINC	INCUBATION STUDY OF NITRIFICATION OF DIGESTED SEWAGE SLUDGE ADDED TO SOIL. *COPPER*ZINC*MANGANESE*CHROMIUM*AMMONIUM*	CA20NLR -7280267- -
ZINC	TRACE ELEMENT REMOVAL FROM SEWAGE EFFLUENT BY SOIL FILTRATION. *IRON*MANGANESE*NICKEL*COPPER*ZINC*LEAD*CADMIUM*LEACHING*	CA20NLP -7280247- -

ZINC	MICRONUTRIENT SOIL TESTS. *BORON*COPPER*IRON*MANGANESE*MOLYBDENUM*ZINC*	CA20NLP -7280512- -
ZINC	OCCURRENCE OF MANGANESE, COPPER, ZINC, MOLYBDENUM AND COBALT IN PHOSPHATE FERTILIZERS AND SEWAGE.	CA20NLR -7280498- -
ZINC	ABSORPTION REACTIONS OF MICRONUTRIENTS IN SOILS. *COPPER*ZINC*BORON*MOLYBDENUM*IRON*MANGANESE*	CA20NLP -7280492- -
ZINC	DISPOSAL OF MUNICIPAL WASTE WATER THROUGH FOREST IRRIGATION. *PENNSYLVANIA*NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*MAGNESIUM*MANGANESE*IRON*COPPER*BORON*ALUMINUM*ZINC*SODIUM*SEWAGE*	CA20NLP -7280502- -
ZINC	STATE OF THE DEHYDROGENASE ACTIVITY OF AQUATIC BACTERIA, THEIR GROWTH, AND P.Q.D. UNDER CONDITIONS INVOLVING THE OXIDATION OF INORGANIC MATTER CONTAINED IN INDUSTRIAL WASTE WATERS. *CADMIUM*COPPER*COBALT*NICKEL*ZINC*	CA20NLR -7280410- -
ZINC	INTERACTIONS BETWEEN BLUE-GREEN ALGAE AND HEAVY METALS. *ZINC*NICKEL*CADMIUM*COPPER*SLUDGE*	CA20NLR -7280399- -
ZINC	MICRONUTRIENTS IN AGRICULTURE. *COPPER*ZINC*IRON*BORON*MANGANESE*MOLYBDENUM*	CA20NLR -7280430- -
ZINC	CORRECTION OF MICRONUTRIENT DEFICIENCIES WITH FERTILIZERS. *BORON*COPPER*ZINC*IRON*MANGANESE*MOLYBDENUM*	CA20NLP -7280431- -
ZINC	SPECTROGRAPHIC ANALYSIS OF AIR-DRIED SEWAGE SLUDGE. *ALUMINUM*CALCIUM*IRON*MAGNESIUM*TITANIUM*BARIUM*COPPER*MANGANESE*SODIUM*NICKEL*TIN*VANADIUM*ZINC*SILVER*ZIRCONIUM*BORON*BERYLLIUM*CHROMIUM*COBALT*GALLIUM*MOLYBDENUM*	CA20NLR -7280469- -
ZINC	OBSERVATIONS ON SOME MINERALS AND B VITAMINS IN SEWAGE AND SLUDGES. *PHOSPHORUS*SULFATE*SULFIDE*IRON*CALCIUM*MAGNESIUM*COPPER*ZINC*CHROMIUM*NICKEL*MOLYBDENUM*COBALT*	CA20NLR -7280478- -
ZINC	EFFECTS OF HEAVY METAL IONS ON THE GROWTH OF MICROORGANISMS. *ZINC*NICKEL*COBALT*COPPER*BACTERIA*YEASTS*MOLDS*TOXIC*	CA20NLP -7280018- -
ZINC	COMPOSITION AND NITRIFICATION CHARACTERISTICS OF SOME SEWAGE AND INDUSTRIAL SLUDGES. *ACTIVATED*DIGESTED*NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*MAGNESIUM*COPPER*BORON*MANGANESE*MOLYBDENUM*ZINC*SULFUR*PH*	CA20NLR -7280011- -
ZINC	OCCURRENCE OF MANGANESE, COPPER, ZINC, MOLYBDENUM, AND COBALT IN PHOSPHATE FERTILIZERS AND SEWAGE SLUDGE.	CA20NLP -7280012- -
ZINC	SOME CHANGES IN POLLUTED WATER DURING PERCOLATION THROUGH SOIL. *COPPER*NICKEL*CHROMIUM*MANGANESE*ZINC*LEAD*IRON*AMMONIUM*	CA20NLP -7280034- -
ZINC	CHANGES IN THE ZINC DISTRIBUTION WITHIN THREE SOILS AND ZINC UPTAKE BY FIELD BEANS CAUSED BY DECOMPOSING ORGANIC MATTER.	CA20NLR -7280013- -
ZINC	CHANGES IN THE ZINC DISTRIBUTION WITHIN THREE SOILS AND ZINC UPTAKE BY FIELD BEANS CAUSED BY DECOMPOSING ORGANIC MATTER.	CA20NLR -7280013- -
ZINC	EFFECT OF ADDITION OF COPPER, MANGANESE, ZINC, AND CHROMIUM COMPOUNDS ON AMMONIFICATION AND NITRIFICATION DURING INCUBATION OF SOIL. *TOXIC*AFRATON*	CA20NLR -7280037- -
ZINC	UTILIZATION OF URBAN WASTES IN CROP PRODUCTION. *GARBAGE*SLUDGE*BORON*COPPER*LEAD*MANGANESE*ZINC*NICKEL*CHROMIUM*CADMIUM*EFFLUENT*	CA20NLR -7280021- -
ZINC	THE USE OF INDUSTRIAL PRODUCTS AS FERTILIZERS WITH TRACE ELEMENTS IN ROMANIA. *COBALT*IRON*MANGANESE*CONTENT*LEAD*ZINC*COPPER*SULFUR*	CA20NLR -7280051- -
ZINC	COMPARATIVE ANALYSIS OF SEWAGE SLUDGE. *NITROGEN*PHOSPHORUS*COPPER*ZINC*BORON*MANGANESE*MOLYBDENUM*NITRIFICATION*ACTIVATED*DIGESTED*	CA20NLR -7280072- -
ZINC	FERTILIZING CHARACTERISTICS OF SEWAGE SLUDGE. *NITROGEN*NITRIFICATION*PHOSPHORUS*POTASSIUM*COPPER*ZINC*BORON*MANGANESE*MOLYBDENUM*	CA20NLP -7280073- -
ZINC	THE EFFECT OF FLOODING AND AERATION ON THE MOBILITY OF CERTAIN TRACE ELEMENTS IN SOILS. *LEAD*COPPER*NICKEL*ZINC*COBALT*MANGANESE*CHROMIUM*OXIDATION*REDUCTION*VANADIUM*MOLYBDENUM*	CA20NLR -7280134- -
ZINC	COMBINING CAPACITY OF ANAEROBIC DIGESTED SLUDGE FOR HEAVY METAL IONS. *COPPER*NICKEL*ZINC*	CA20NLP -7280134- -

ZINC	FEASIBILITY OF RADIOISOTOPE X-RAY FLUORESCENCE ANALYSIS FOR MEASURING WATER POLLUTION BY METALS. *ANALYTICAL* IRON*COPPER*LEAD*ZINC*MERCUY*CADMIUM*	CA20NLR -7280169- -
ZINC	THE SOLUBILITY OF HEAVY METAL HYDROXIDES IN WATER, SEWAGE AND SEWAGE SLUDGE. II. THE PRECIPITATION OF METALS IN Y SEWAGE. *COPPER*NICKEL*ZINC*IRON*	CA20NLR -7280190- -
ZINC	METALS IN MUNICIPAL SEWERAGE SYSTEMS. *CHROMIUM*ZINC*COPPER*NICKEL*LEAD*MANGANESE*TITANIUM*	CA20NLR -7280223- -
ZINC	FOCUS ON ZINC. 7. TREATMENT OF EFFLUENT FROM HOT DIP GALVANIZING. *IRON*HYDROXIDE*SLUDGE*DEWATERING*LIME*	CA20NLR -7280195- -
ZINC	THE SOLUBILITY OF HEAVY METAL HYDROXIDES IN WATER, SEWAGE AND SEWAGE SLUDGE. III. THE SOLUBILITY OF HEAVY METALS PRESENT IN DIGESTED SEWAGE SLUDGE *NICKEL*IRON*ZINC*COPPER*SODIUM*POTASSIUM*CALCIUM*	CA20NLR -7280192- -
ZINC	TRACE ELEMENTS IN SEWAGE SLUDGE. *ZINC*CHROMIUM*COPPER*NICKEL*TIN*SILVER*BISMUTH*LEAD*MANGANESE*VANADIUM*TOXIC ITY*	CA20NLR -7280208- -
ZINC	THE OCCURRENCE OF COPPER IN WATER, SEWAGE, AND SLUDGE AND ITS EFFECT ON SLUDGE DIGESTION. *TOXIC*CALCIUM*MAGNE SIUM*PHOSPHORUS*MANGANESE*IRON*ALUMINIUM*ZINC*BORON*NICKEL*CHROMIUM*CADMIUM*	CA20NLR -7280231- -
ZINC	EFFECT OF DIFFERENT LEVELS OF COPPER AND ZINC ADDED AS ADSORBED CATIONS OF SOIL.	CA20NLR -7280566- -
ZINC	HEAVY METAL CONTAMINATION OF SOILS. *SEWAGE*SLUDGE*COPPER*ZINC*MANGANESE*NICKEL*ALUMINUM*MERCUY*CADMIUM*LEAD* REVIEW*	CA20NLR -7280535- -
ZINC	AGRICULTURAL APPLICATION OF DIGESTED SEWAGE SLUDGE. *TOXIC*ZINC*COLIFORM*AMMONIA TOXICITY*	CA20NLR -7280542- -
ZINC	FERTILIZER AND FERTILITY VALUE OF SEWAGE SLUDGE. *NITROGEN*PHOSPHORUS*POTASSIUM*ALUMINUM*CALCIUM*MAGNESIUM*MAN GANESE*SODIUM*TITANIUM*COPPER*BARIUM*ZINC*LEAD*NICKEL*COBALT*SULFUR*CHROMIUM*ARSENIC*BORON*IODINE*GREASE*L	CA20NLR -7280522- -
ZINC	THE AVAILABILITY OF CR, NI, ZN, CO, SN, AND PB FOR PLANTS. *CHROMIUM*NICKEL*ZINC*CADMIUM*TIN*LEAD*.	CA20NLR -7280545- -
ZIRCONIUM	SPECTROGRAPHIC ANALYSIS OF AIR-DRIED SEWAGE SLUDGE. *ALUMINUM*CALCIUM*IRON*MAGNESIUM*TITANIUM*BARIUM*COPPER*MA NGANESE*SODIUM*NICKEL*TIN*VANADIUM*ZINC*SILVER*ZIRCONIUM*BOFON*BERYLLIUM*CHROMIUM*COBALT*GALLIUM*MOLYBDENU	CA20NLR -7280469- -
ZORY	AGRICULTURAL USAGE OF SEWAGE OF THE TOWN OF ZORY. *NITROGEN*PHOSPHORUS*POTASSIUM*CALCIUM*MAGNESIUM*IRON*CHLORI DES*	CA20NLR -7280266- -
ZWOLFJAHRIGER	EIN ZWOLFJAHRIGER FREILANDVERSUCH ZUR WIRKUNG VON MULL-UND KLARSCHLAMMKOMPOSTEN, STALLMIST UND STROH AUF ERTRA G, NAHRSTOFF-UND HUMUSHAUSHALT DES BODENS (A TWELVE-YEAR FIELD TEST ON THE EFFECT OF REFUSE COMPOSTS AND S	CA20NLR -7280326- -

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